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March 8, 2013

Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, D.C. 20554

Re: National Exchange Carrier Association, Inc.  
2013 Further Modification of Average Schedules, WC Docket No. 12-369

Dear Ms. Dortch:

Attached is NECA's *2013 Further Modification of Average Schedules*. This filing contains revisions to one of the formulas originally filed with the Commission on December 21, 2012 (the *2012 Filing*). Specifically, NECA proposes to replace the single formula governing average schedule settlements for digital subscriber line (DSL) services with two formulas, one designed to compensate average schedule companies for the costs of providing traditional voice-data DSL service and the other designed to compensate average schedule companies for the costs of providing data-only DSL services. The proposed effective date for these formula modifications continues to be for the period July 1, 2013 through June 30, 2014.

This *2013 Further Modification of Average Schedules* has been filed electronically in the above-referenced docket. NECA will also deliver to the Commission a PC compact disk that includes the Appendices to this *2013 Further Modification of Average Schedules* in Microsoft-Excel format.

NECA respectfully requests the Commission consider this *Further Modification* for approval with the 2012 Filing, as this will assure the average schedule formulas fully comply with section 69.606 of the Commission's rules, and further the Commission's broadband deployment and adoption policies. If you have questions regarding the content of these files, please contact Mr. Steve Quinnan, Director, Average Schedules, at 973-884-8099.

Sincerely,

A handwritten signature in black ink, appearing to read "Doug Slotten", is written over a horizontal line.

Attachment:

2013 Modification of Average Schedules

Cc: Douglas Slotten, WCB  
Pamela Arluk, WCB (w/o enclosure)  
Best Copy

National Exchange Carrier Association, Inc.

2013 Further Modification of Average Schedules

WC Docket No. 12-369

March 8, 2013

## A. Summary

The National Exchange Carrier Association (NECA)<sup>1</sup> herein proposes further modifications to the interstate average schedule formulas proposed to become effective July 1, 2013. This filing submits distinct settlement formulas for DSL service linked to voice telephone service, and for DSL service not linked to voice telephone service (data-only DSL service), replacing the combined DSL formula submitted for Commission approval by NECA on December 21, 2012 (the December 2012 Filing).<sup>2</sup> These further modifications are required to conform the structure of the DSL formula included in the December 2012 Filing to rapidly emerging demand for broadband service not linked to voice telephone service, i.e., data-only DSL service.

Rural exchange carriers have commonly deployed DSL service linked to voice telephone service, as an economical way for customers to have both services. In today's market, customers are increasingly asking for data-only DSL services, and obtaining voice service from wireless carriers, or from Internet providers. Current average schedule settlement methods do not separately recognize the cost of data-only DSL service. As the market for such services is rapidly developing, the formulas must be updated to enable average schedule companies to continue to expand broadband service in their service territories. NECA proposes this further modification to correct this problem.

Since the December 2012 Filing, NECA and the Industry Average Schedule Task Group have analyzed the acceleration of demand for data-only DSL service, and the significant difference in its costs compared to DSL voice-data service. Based on these further analyses, NECA has

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<sup>1</sup> NECA administers interstate access charge tariffs and revenue pools on behalf of member ECs, and the preparation and filing of average schedule formulas, in accordance with the Commission's Part 69 rules (47 C.F.R. Part 69).

<sup>2</sup> National Exchange Carrier Association, Inc., Proposed 2013 Modification of Average Schedules Formulas, WC Docket No. 12-369 (filed Dec. 21, 2012).

determined that additional modifications to the proposed DSL formula are required to assure that disbursements to average schedule companies will continue to “simulate” those received by a similarly-situated cost company, as required under section 69.606(a) of the Commission’s rules<sup>3</sup>

The DSL formula proposed in the December 2012 Filing would be used to determine a DSL settlement rate for each average schedule carrier, which would apply to both voice-data DSL lines and data-only DSL lines. When carriers had few if any data-only DSL lines, the use of a composite settlement rate for these services was not problematic. For carriers with significant penetration of data-only DSL service, with its much higher costs as shown in this filing, use of a composite settlement rate is seriously detrimental, and not reflective of their costs.

Specifically, this filing proposes separate and distinct average schedule formulas for voice-data DSL and data-only DSL service, reflecting the significant difference in the costs of these services, due primarily to the requirement under current Commission rules to include the cost of loop distribution plant in the data-only DSL service cost.

It should be noted while a data-only DSL service has higher cost allocated to it, and correspondingly has a higher proposed settlement than a voice-data DSL service, there are offsetting considerations. As noted above, the higher cost allocations are the direct result of Commission rules governing cost separations and access charge cost allocations, which assign loop costs to data-only service. A line providing voice-data DSL service qualifies for interstate common line settlement (which includes interstate common line support) and universal service high cost loop support, which allows for recovery of loop costs without an assignment of loop costs to voice-data DSL service. However, if the customer chooses to drop its voice service and purchase only the data service, this service converts to data-only DSL service, and both the

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<sup>3</sup> 47 C.F.R. § 69.606(a).

interstate common line settlement and universal service high cost loop support are forfeited. Potential impacts are cited in this filing.

As this filing will change settlement effects of formulas proposed in the December Filing, Appendix C to this filing includes a new report of settlement impacts. Overall, with demand held constant, average schedule companies will experience a 3.67% increase in settlements compared to those in effect today. Overall increases are nearly the same as those proposed in the December 2012 Filing, but individual company differences may vary significantly.<sup>4</sup>

More importantly, this filing shows the very significant extent of settlement shortfalls that will result unless this further modification takes effect.

The formulas proposed herein comply with Commission rules effective July 2013, and should be approved for use for the period July 1, 2013 through June 30, 2014.

## B. Overview of this Filing

This filing creates two average schedule DSL formulas, proposed to be replacements for the single DSL formula proposed in the December 2012 Filing.<sup>5</sup> One formula is designed to compensate for the cost of providing voice-data DSL service. The other formula is designed to compensate for the incremental cost of providing data-only DSL service. The incremental amount is the cost of the subscriber loop over which the DSL service is provided.

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<sup>4</sup> Differences between overall effects of this Further Modification and the December 2012 Filing are due in part to changes in the average schedule population (several study areas converted to price cap regulation since the December 2012 Filing), and to use of an updated view of demand data to capture separate counts of data-only DSL lines. Significant individual company differences relate to those companies providing data-only DSL service.

<sup>5</sup> All other formulas remain as proposed in the December 2012 Filing.

When rural exchange carriers provide voice-data DSL service, they recover the cost of the subscriber loop from several sources. This subscriber loop provides local exchange service, and interstate and intrastate long distance access. Correspondingly, the exchange carrier recovers the cost of the loop from local exchange service revenues, interstate subscriber line charges, interstate common line support, and interstate high cost loop support. The carrier may also recover some loop cost from intrastate universal service support in states having such programs. None of the cost of the local loop is recovered from the DSL element.

In contrast, the full cost of the loop used for data-only DSL service is assigned by Commission rules to the interstate special access category, and none of the revenue streams cited above are available to support it. Accordingly, the cost of such service, and the tariff rates for the service, are much higher than the cost and rates for voice-data DSL service. The proposed formula for data-only DSL service is designed to compensate for these incremental loop costs.

To correctly target the separate costs of the two types of DSL service, it is necessary to first create a formula for voice-data DSL that includes none of the incremental loop cost of data-only service. The second step creates another formula reflecting only the incremental cost of data-only service.

This filing includes reports of formula impacts on each average schedule study area, and summarizes overall proposed settlement levels.

### C. Data Used in This Filing

This Further Modification uses sample cost company data included with the December 2012 Filing<sup>6</sup>, average schedule data included in the September 2012 Modification of Average Schedule Universal Service Formulas<sup>7</sup>, and new demand data reported by cost and average schedule companies in January 2013.

In one of the steps to develop the DSL formula proposed in the December 2012 Filing, NECA used cost company special access allocation data. That filing explained the development of an allocation model, which estimates each study area's DSL fraction of its total special access costs based on the percent of its wideband circuit equipment to total special access plant in service.<sup>8</sup>

For this filing, NECA used the same data, but analyzed it separately for study areas providing data-only DSL service, and those not providing it.

This filing uses new demand data from average schedule companies to enable separate analysis of the cost of loop equipment used to provide data-only DSL service. In response to the changing DSL market, NECA began collecting this data from its DSL tariff participants in January 2013. This data was not available when NECA submitted the December 2012 Filing.

This filing also uses data from the 2012 Modification of Average Schedule Universal Service Formulas to determine the cost of the loop equipment used to provide data-only DSL service. Because Commission rules impose restrictions on loop costs eligible for universal service

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<sup>6</sup> National Exchange Carrier Association, Inc., Proposed 2013 Modification of Average Schedules Formulas, WC Docket No. 12-369 (filed Dec. 21, 2012).

<sup>7</sup> NECA 2013 Modification of the Average Schedule Universal Service High Cost Loop Support Formula, WC Docket No. 05-337 (filed August 30, 2012).

<sup>8</sup> National Exchange Carrier Association, Inc., Proposed 2013 Modification of Average Schedules Formulas, WC Docket No. 12-369 (filed Dec. 21, 2012), pp. VI-12 to VI-13.

support that do not apply to special access costs, this filing explains recalculation of loop costs based on that data, but applying rules for special access cost allocations.

#### D. The Voice-Data DSL Formula

The DSL formula proposed in the December 2012 Filing continued the settlement calculation method of prior average schedule filings, which determined settlements for voice-data and data-only services by a single calculation. This method was chosen because, although costs of the two services differ significantly, average schedule companies provided little if any data-only service.

Because the costs of both services were included in the same formula, the cost per DSL line of the formula was slightly higher than would be appropriate if used to calculate the cost of voice-data service only. This higher cost reflects the inclusion of the cost of the subscriber loop for data-only service. To create a stand-alone voice-data DSL formula, NECA now takes steps to remove this incremental loop cost from the formula.

To remove the loop cost from the pending DSL formula, NECA repeated the cost allocation step that apportioned special access costs to the DSL category, using only data of the 139 study areas in the cost company sample that do not provide data-only DSL service. These study areas were identified as those who reported no Cable and Wire Facility special access costs in the wideband category (separations category 2). The fraction of costs allocated to the DSL category by these study areas was compared to the fraction allocated by the full sample of cost company study areas. Exhibit 1 shows a lower level of cost allocations by study areas providing no data-only service.



Exhibit 1  
Cost Study DSL Allocations In the 2012 Modification of Average Schedules

	A Total	B Not Reporting CWF Cat. 2
1. Study Areas	211	139
2. Special Access Costs	\$101,071,267	\$49,949,479
3. DSL Costs	\$52,493,577	\$25,368,050
4. DSL Per Cent	51.94%	50.79%
5. Incremental Effect of Data-Only [(A4 - B4) / A4]	2.2138%	

Column A of Exhibit 1 shows the costs allocated to the DSL category in preparation of the pending formula. Column B shows costs of the subset of companies who provide no data-only DSL service. This exhibit shows the pending formula is based on an allocation 2.2318% higher than the allocations of companies who provide no data-only service.<sup>9</sup>

Correspondingly, NECA developed the voice-data DSL formula by reducing the pending formula by this percentage. The result is shown as the “Basic DSL formula” in Exhibit 3.

#### E. DSL Loop Cost Formula

In addition to the Basic DSL Formula, this filing proposes a separate formula to reflect the cost of subscriber loop required for data-only DSL service. Exchange carriers use the same subscriber loop to provide DSL service as they use to provide common lines, for which costs are reported to the FCC each year to determine universal service high cost loop support (HCLS).<sup>10</sup> For average

<sup>9</sup> While the cost premium associated with data-only DSL service is quite large, its current impact on the composite settlement rate is modest, because only a minority of average schedule companies as yet have a large number of customers for this service.

<sup>10</sup> In a cost separations study, cost of cable equipment used to provide exchange access voice subscriber service is assigned to Cable and Wire Facilities category 1.3.

schedule companies, these costs are determined by an HCLS formula filed by NECA and approved by the Commission.<sup>11</sup>

Accordingly, NECA used the same data, and the same HCLS study methods with two minor differences, to develop a DSL loop cost formula. The two differences include not imposing the cap on Corporate Operations Expense that applies to the HCLS formula, and using access lines per exchange as the independent variable in the model, where the HCLS formula uses USF loops per exchange. With these minor modifications, text from the September USF Formula Filing is included here, explaining this formula.

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*This begins an excerpt from 2012 USF Filing. Unless noted otherwise, ➔ designates a word substitution, for example, of 'DSL' for 'High Cost Loop' or of 'access line' for 'USF Loop'.*

This section describes the derivation of the average schedule DSL Loop Cost formula by:

- Computing categorization factors from Subset 3 cost company data;
- Determining loop costs for a sample of average schedule study areas using these factors; and
- Using sample companies' actual loop cost data to derive a statistical regression model.

These steps are explained in the following three subsections.

#### 1. Calculation of Categorization Factors from Subset 3 Cost Companies

Cost companies submit categorized data to NECA pursuant to section 36.611 of the Commission's rules.<sup>12</sup> This data was used to compute average USF loop cost

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<sup>11</sup> National Exchange Carrier Association, Inc. 2013 Modification of the Average Schedule Universal Service High Cost Loop Support Formula, WC Docket No. 05-337, *Order*, DA 12-1966 (Dec. 13, 2012).

categorization factors. Loop cost categorization factors are the cost company fractions of accounts attributed to loop. They were developed from accounts related to Exchange Line Cable and Wire (C&WF) Facilities (Category 1) and Exchange Line Central Office Circuit equipment (Category 4.13).

For example, by computing the ratio of cost company Central Office Equipment (COE) 4.13 investment to total cost company COE investment, NECA developed average categorization factors for Category 4.13 investment. Loop cost categorization factors were developed for each of NECA's six geographical regions, to recognize categorization differences in circuit equipment and cable and wire facilities across regions.

Exhibit 2 summarizes how these categorization factors were computed from cost company data, and how they were used to allocate average schedule company data. The first column names the Algorithm line corresponding to instructions in Tab 3 of NECA's Universal Service Fund (USF) 2011 Submission of 2010 Study Results.<sup>13</sup> Algorithm lines AL3, AL4, AL5 and AL6 are categorization factors defined in the USF submission to apportion unseparated cost accounts to loop. Algorithm lines 13 through 24 are the various cost components of loop cost. Line 25 is the total unseparated loop cost. Line 26 is the cost per loop. Loop cost components are named in the second column in Exhibit 2. The third column is a description of each algorithm line and the last column presents cost categorization formulas used to calculate the value for each sample average schedule company.

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<sup>12</sup> Data was taken from the USF Data submission filed with the Commission on Sept. 30, 2011. *See NECA 2011 USF Data Submission.*

<sup>13</sup> *Id.*

Algorithm Lines 23 and 24 in Exhibit 2 use Adjustment Ratios to allocate Total Accumulated Depreciation to C&W Facilities and COE Transmission. This is done to ensure the amount of reserves assigned to loop is in proportion to the amount of investment assigned to loop. The adjustment ratio is calculated as follows:

$$\text{Adjustment Ratio} = \frac{\text{Proportion Of Reserves Allocated To Loop}}{\text{Proportion Of Investment Allocated To Loop}}$$

For example, an adjustment ratio of 0.95709 for Cable & Wire Facilities means the portion of reserves allocated to Loop is 95.71% of the portion of Cable & Wire Facilities investment allocated to Loop. Exhibit 3 describes the derivation of these ratios.

Exhibit 2			
Allocation Of Average Schedule Accounts To Loop Cost Categories			
Algorithm Line	Loop Cost Component	Factor Description	Cost Allocation Formula
AL3		Factor A: C&WF Cat. 1/Total C&WF	Average ratio by region based on cost company data
AL4		Factor B: COE Cat. 4.13/Total COE	Average ratio by region based on cost company data
AL5		Factor C (C&WF Gross Allocator): C&WF Cat. 1/Total Plant in Service	Average ratio by region based on cost company data
AL6		Factor D (COE Gross Allocator): COE Cat. 4.13/Total Plant in Service	Average ratio by region based on cost company data
AL13	C&WF Maintenance	C&WF Maintenance Expense assigned to Cat. 1  C&WF R&B Factor = $\frac{\text{C\&WF R\&B Exp.}}{\text{C\&WF Expense}}$	Factor A x (1 - C&WF R&B Factor) x <u>C&amp;WF Expense</u> <sup>14</sup>
AL14	COE Maintenance	COE Maintenance Expense assigned to Cat. 4.13  COE R&B Factor = $\frac{\text{COE R\&B Exp.}}{\text{COE Expense}}$	Factor B x (1 - COE R&B Factor) x <u>COE Expense</u>
AL15	Network and General Support Expense	Network Support Expense plus General Support Expense assigned to C&WF Cat. 1 and to COE Cat. 4.13  Net. Spt. R&B Factor = $\frac{\text{Network Spt. R\&B Exp.}}{\text{Network Support Expense}}$  Gen. Spt. R&B Factor = $\frac{\text{General Spt. R\&B Exp.}}{\text{General Support Expense}}$	(Factor A + Factor B) x [(1 - Network Support R&B Factor) x <u>Network Support Expense</u>  + (1 - General Support R&B Factor) x <u>General Support Expense</u> ]

<sup>14</sup> Amounts underlined are data or calculated values of sample average schedule study areas. Other values are cost company factors.

Exhibit 2			
Allocation Of Average Schedule Accounts To Loop Cost Categories			
Algorithm Line	Loop Cost Component	Factor Description	Cost Allocation Formula
AL16	Network Operations Expense	<p>Network Operations Expense assigned to C&amp;WF Cat. 1 and to COE Category 4.13</p> <p>Ntwk. Oper. R&amp;B Factor =  <math display="block">\frac{\text{Ntwk. Oper. R\&amp;B Exp.}}{\text{Ntwk. Oper. Expense}}</math></p>	<p>(Factor A + Factor B)  x (1 - Network Operations R&amp;B Factor)  x <u>Network Operations Expense</u></p>
AL17	C&WF Depreciation & Amortization Expense	<p>Depreciation &amp; Amortization Expense assigned to C&amp;WF Category 1</p> <p>Dep. Exp. C&amp;WF Factor =  <math display="block">\frac{\text{Dep. \&amp; Amort. Exp. CWF}}{\text{C\&amp;WF}}</math></p> <p>Tangibles -- C&amp;WF =  <math display="block">\frac{\text{Amort. Tangible Assets -- C\&amp;WF}}{\text{Amort. Tangible Assets}}</math></p> <p>Depreciation--Tang. Factor =  (Deprec.—Tangibles) / Tangibles</p>	<p>Factor A  x [(Depreciation Expense Factor--C&amp;WF  x <u>C&amp;WF</u>)  + (Depreciation Expense Factor—Tangibles  x <u>Tangibles</u>)  + (Tangibles Factor -- C&amp;WF  x <u>Amort. Tangible Assets</u>)]</p>
AL18	COE Depreciation & Amortization Expense	<p>Depreciation &amp; Amortization Expense assigned to COE Category 4.13</p> <p>Dep. Exp. COE Factor =  <math display="block">\frac{\text{Dep. \&amp; Amort. Exp. COE}}{\text{COE}}</math></p> <p>Tangibles -- COE =  <math display="block">\frac{\text{Amort. Tangible Assets -- COE}}{\text{Amort. Tangible Assets}}</math></p> <p>Depreciation--Tang. Factor =</p>	<p>Factor B  x [(Depreciation Expense Factor--COE x <u>COE</u> )  + (Depreciation Expense Factor--Tangibles  x <u>Tangibles</u>)  + (Tangibles Factor -- COE  x <u>Amort. Tangible Assets</u>)]</p>

Exhibit 2			
Allocation Of Average Schedule Accounts To Loop Cost Categories			
Algorithm Line	Loop Cost Component	Factor Description	Cost Allocation Formula
		<u>Deprec.--Tangibles</u> Tangibles	
AL19 → <b>Expense Cap Excluded</b>	Corporate Operations Expense	Corporate Operations Expense assigned to C&WF Cat. 1 and to COE Cat. 4.13.	(Factor C + Factor D) x <u>Corporate Operations Expense</u>
AL20	Operating Taxes	Operating Taxes assigned to C&WF Cat. 1 and to COE Cat. 4.13  Operating Taxes Factor = <u>Operating Taxes</u> Total Plant in Service	(Factor C + Factor D) x Operating Taxes Factor x <u>Total Plant in Service</u>
AL21 + AL22	Benefits & Rents	Benefits & Rents other than Corporate Operations Expense assigned to C&WF Cat. 1 and COE Cat. 4.13  C&WF R&B Factor = <u>C&amp;WF R&amp;B Expense</u> C&WF Expense  COE R&B Factor = <u>COE R&amp;B Expense</u> COE Expense  Net. Sup. R&B Factor = <u>Network Sup. R&amp;B Exp.</u> Network Support Expense  Gen. Sup. R&B Factor = <u>General Sup. R&amp;B Exp.</u>	(Factor C + Factor D) x [(C&WF R&B Factor x <u>C&amp;WF Expenses</u> ) + (COE R&B Factor x <u>COE Expenses</u> ) + (Net. Sup. R&B Factor x <u>Net. Sup. Expenses</u> ) + (General Sup. R&B Factor x <u>General Sup Exp</u> ) + (Net. Op. R&B Factor x <u>Net. Op Exp</u> )]

Exhibit 2			
Allocation Of Average Schedule Accounts To Loop Cost Categories			
Algorithm Line	Loop Cost Component	Factor Description	Cost Allocation Formula
		General Support Expense	
AL23	C&WF Return	<p>Return Component for C&amp;WF Cat. 1</p> <p>C&amp;WF Cat. 1 Factor = <math>\frac{\text{C\&amp;WF Cat. 1}}{\text{C\&amp;WF}}</math></p> <p>Tangibles -- C&amp;WF Factor = <math>\frac{\text{Tangibles -- C\&amp;WF}}{\text{Tangibles}}</math></p> <p>Accum. Dep. Adj. Ratio -- C&amp;WF (See Exhibit 3)</p>	<p>{(C&amp;WF Cat. 1 Factor x <u>C&amp;WF</u>)  + (Tangibles Factor--C&amp;WF x <u>Tangibles</u>)  + (Factor C x <u>Materials &amp; Supplies</u>)  - Factor A x [(Accum. Dep. Adj. Ratio -- C&amp;WF  x <u>Acc. Dep.</u> x %C&amp;WF of TPIS)]  + (Net N.C. D. OIT Factor--C&amp;WF x <u>TPIS</u>)  + (Tangibles Factor--C&amp;WF  x <u>Acc. Amo.- Tangibles</u>)]} x.1125</p>
AL24	COE Return	<p>Return Component for COE Cat. 4.13</p> <p>COE Cat. 4.13 Factor = <math>\frac{\text{COE Cat. 4.13}}{\text{COE}}</math></p> <p>Tangibles -- COE Factor = <math>\frac{\text{Tangibles -- COE}}{\text{Tangibles}}</math></p> <p>Accum. Dep. Adj Ratio -- COE. (See Exhibit 3)</p>	<p>{(COE Cat. 4.13 Factor x <u>COE</u>)  + (Tangibles Factor--COE x <u>Tangibles</u>)  + (Factor D x <u>Materials &amp; Supplies</u>)  - Factor B x [(Accum. Dep. Adj Ratio -- COE  x <u>Acc. Dep</u> x %COE of TPIS)]  + (Net N.C. Def. OIT Factor --COE x <u>TPIS</u>)  + (Tangibles Factor--COE  x <u>Acc. Amo.- Tangibles</u>)]} x.1125</p>
AL25	Loop Costs	Total Unseparated Loop Cost	Sum of AL13 -- AL24
AL26	Cost Per Loop	Study Area Cost per Loop	AL25 Divided by Total Loops



### Exhibit 3

#### Adjustment Ratios For Allocation Of Total Accumulated Depreciation

Description	Calculation	Factor name
COE Transmission fraction of TPIS	Sum DL240 / Sum DL160	TPIS % 2230
C&W Facilities fraction of TPIS	Sum DL255 / Sum DL160	TPIS % 2410
COE Transmission fraction of Tot. Acc. Dep.	Sum DL270 / Sum DL190	ACCT 3100 % 2230
C&W Facilities fraction of Tot. Acc. Dep.	Sum DL280 / Sum DL190	ACCT 3100 % 2410
Adjustment Ratio for COE Transmission.	ACCT 3100 % 2230 / TPIS % 2230	Accum. Dep. Adj. Ratio - COE
Adjustment Ratio for C&W Facilities.	ACCT 3100 % 2410 / TPIS % 2410	Accum. Dep. Adj. Ratio - C&WF

DL240 = COE Transmission (Acct 2230)

DL255 = C&WF Total (Acct 2410)

DL160 = Total Plant in Service (TPIS)

DL270 = Accumulated Depreciation - COE Transmission Equipment

DL280 = Accumulated Depreciation – Cable & Wire Facilities

DL190 = Accumulated Depreciation

Exhibit 4 displays the computed values of the loop cost categorization factors from sample cost companies, in each of NECA's six geographical regions.

# Exhibit 4

## Loop Cost Categorization Factors from Sample Cost Companies

FACTOR	REGION 1	REGION 2	REGION 3	REGION 4	REGION 5	REGION 6
FACTOR A	0.88892	0.93649	0.91676	0.87706	0.87304	0.89043
FACTOR B	0.29026	0.40594	0.44497	0.44476	0.38755	0.36776
FACTOR C	0.45561	0.54299	0.51696	0.53190	0.48064	0.49574
FACTOR D	0.09704	0.11885	0.12833	0.11504	0.11261	0.11272
C&WF RENTS & BENEFITS	0.31257	0.30220	0.32463	0.31252	0.26849	0.26499
COE RENTS & BENEFITS	0.10198	0.07631	0.11235	0.13538	0.09583	0.08285
TANGIBLES - C&WF	0.00000	0.00000	0.00000	0.62210	0.03031	0.76601
TANGIBLES - COE TRANSMISSION	0.11517	0.00000	0.00000	0.00000	0.13409	0.03012
TANGIBLES - COE CATEGORY 4.13	0.00000	0.00000	0.00000	0.00000	0.11742	0.00000
ACCUMULATED DEPRECIATION - C&WF	0.49849	0.56924	0.52713	0.58651	0.51544	0.52062
ACCUMULATED DEPRECIATION - COE TRANS.	0.18329	0.20872	0.23114	0.20028	0.21520	0.23506
NET NON-CURR DEF FIT-C&WF- Commercial Comp.	0.02346	0.01726	0.02126	0.02600	0.01587	0.01547
NET NON-CURR DEF FIT-C&WF- Coops	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NET NON-CURR DEF FIT-COE TRANS.- Comm Comp.	0.00850	0.00815	0.00783	0.00669	0.00679	0.00931
NET NON-CURR DEF FIT-COE TRANS.- Coops	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NETWORK SUPPORT RENTS & BENEFITS	0.05613	0.08185	0.14916	0.08701	0.23816	0.19796
GENERAL SUPPORT RENTS & BENEFITS	0.18797	0.15990	0.25581	0.22031	0.32984	0.20051
NETWORK OPERATIONS BENEFITS	0.14676	0.20108	0.22821	0.23784	0.25376	0.21114
DEPRECIATION EXPENSE - C&WF	0.04428	0.04382	0.04524	0.04628	0.04379	0.04373
DEPRECIATION EXPENSE -COE TRANSMISSION	0.07268	0.08679	0.08421	0.07498	0.07659	0.08164
DEPRECIATION - TANGIBLES	0.00000	0.00000	0.00000	0.07261	0.03031	0.00730
ACCUM. DEP. ADJ. RATIO - COE	0.97270	1.03013	1.14302	1.08739	1.09111	1.08947
ACCUM. DEP. ADJ. RATIO - C&WF	0.95709	0.95485	0.89110	0.93965	0.90626	0.90140
OPERATING INCOME TAX - Cooperatives	0.00479	0.00464	0.00673	0.00570	0.00700	0.00523
OPERATING INCOME TAX-Commercial Companies	0.01384	0.02316	0.01329	0.02096	0.01468	0.01282

## 2. Calculation of Loop Cost for Sample Average Schedule Companies

NECA calculated loop costs for sample average schedule companies consistent with the Part 36 rules that apply to cost companies. Accordingly, for each average schedule study area in the sample, the loop cost is the accumulation of components of accounts assigned to loop. Costs assigned to the loop include Cable & Wire Facilities investment in Category 1, COE investment in Category 4.13 and other accounts assigned proportionately based on these accounts. Portions of costs in accounts assigned to loop were determined using the allocation ratios derived from cost companies.

NECA applied the cost categorization factors shown in Exhibit 4 to uncategorized accounts from sample average schedule study areas to produce unseparated average schedule category-level loop costs. Section 36.621 of the Commission's rules describes various unseparated accounts making up a study area's total unseparated loop costs. Following this method, the unseparated loop cost for each sample average schedule study area was determined by summing the following categories related to COE Category 4.13 and C&WF Category 1 plant, as follows.

$$\begin{aligned} \text{Loop Cost} = & \text{Maintenance Expense} + \text{Network \& General Support Expenses} \\ & + \text{Network Operations Expense} + \text{Depreciation \& Amortization Expense} \\ & + \text{Corporate Operations Expense} + \text{Operating Taxes} + \text{Benefits Expense} \\ & + \text{Rent Expense} + \text{Return on Investment} \end{aligned}$$

Exhibit 5 presents the results of loop cost calculations for the average schedule sample.

→ Text omitted

→(New data)

Exhibit 5

Allocation of Unseparated Total Accounts to Loop

Alg. Line	Cost Category	Calculation Method	Total Account Per Loop	Avg Loop %	Loop Cost Per Loop
1	C&WF Category 1	Cost Company Factor	2506.28	0.90788	2275.41
2	COE Category 4.13	Cost Company Factor	1745.73	0.37076	647.25
3	Factor A	% C&WF Cat 1 of Total C&WF	2506.53	0.90779	2275.41
4	Factor B	% COE Cat 4.13 of Total COE	1745.73	0.37076	647.25
5	Factor C	% C&WF Cat 1 of TPIS	4935.94	0.46099	2275.41
6	Factor D	% COE Cat 4.13 of TPIS	4935.94	0.13113	647.25
7	Materials & Supplies for CWF Cat 1	Factor C x M&S	35.45	0.47721	16.92
8	Materials & Supplies for COE Cat 4.13	Factor D x M&S	35.45	0.12607	4.47
9	Reserves for CWF Cat 1	Factor A x Reserves	3556.96	0.42031	1495.02
10	Reserves for COE Cat 4.13	Factor B x Reserves	3556.96	0.14853	528.3
11	Factor E	% Net C&WF Cat 1 of Net TPIS	1473.67	0.54104	797.31
12	Factor F	% Net COE Cat 4.13 of Net TPIS	1473.67	0.08375	123.41
13	Maintenance of C&WF Cat 1	Factor A x (Maintenance - R & B)	78.1	0.63616	49.69
14	Maintenance of COE Cat 4.13	Factor B x (Maintenance - R & B)	64.25	0.30272	19.45
15a	Network Support Assigned to Loop	(Fact C + Fact D) x (Net Sup Exp - R&B)	4.25	0.49941	2.12
15b	General Support Assigned to Loop	(Fact C + Fact D) x (Gen Sup Exp - R&B)	44.7	0.46887	20.96
16	Network Operations Assigned to Loop	(Fact C + Fact D) x (Net Ops Exp - R&B)	52.68	0.48105	25.34
17	Depreciation of C&WF Cat 1	C&WF Cat 1 x C&WF Deprec Rate	2275.41	0.04422	100.61
18	Depreciation of COE Cat 4.13	COE Cat 4.13 x COE Deprec Rate	647.25	0.07310	47.31
19	Corporate Oper. Exp. Assigned to Loop	(Fact C + Fact D) * Corp. Oper. Exp.	152.71	0.57707	88.13
20	Operating Taxes Assigned to Loop	(Factor C + Factor D) x Oper Taxes	59.56	0.58420	34.79
21	Benefits in Oper. Exp. Assigned to Loop	(Fact C + Fact D) x (Benefits - Corp Ops)	191.31	0.17753	33.96
22	Rents in Oper Exp Assigned to Loop	(Fact C + Fact D) x (Rents - Corp Ops)	191.31	0.04819	9.22
23	Return on C&WF Cat 1	.1125 x Net CWF Cat 1	797.31	0.11250	89.7
24	Return on COE Cat 4.13	.1125 x Net COE Cat 4.13	123.41	0.11250	13.88
25	Total Loop Cost	Sum 13 Thru 24	4682.28	0.11430	535.17

### 3. Loop Cost Regression Model

➔ This study develops a formula simulating the DSL loop cost of sample companies.

The underlying basis of the formula is the comparison of cost per loop data obtained from average schedule sample companies to their ratios of access lines per exchange. Based on the relationship of these variables, a mathematical model is developed and is used to compute cost per line for each member of the total population of average schedule companies.

➔ **Paragraph omitted**

➔ In Appendix A of this filing NECA presents actual DSL loop cost data for sample average schedule study areas. This section explains the use of that data to develop a statistical model for calculating CPL values for each study area in the average schedule population.

This model uses the outlier accommodation method for regression, first introduced in NECA's December 31, 1998 average schedule filing<sup>15</sup> and approved by the Commission.<sup>16</sup> The threshold used in this calculation was equal to three standard deviations of the residuals. The outlier accommodation method uses weighted linear regression, with regression weights defined in two steps. First residuals and DFFITS values for each observation are determined by an unweighted linear regression. Then regression weights are calculated using these values.

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<sup>15</sup> See, *1999 NECA Modifications of Average Schedules*, National Exchange Carrier Association, Inc. (filed Dec. 31, 1998).

<sup>16</sup> See, *National Exchange Carrier Association, Inc., Proposed Modifications to the 1999-2000 Interstate Average Schedule Formulas*, ASD 99-18, Order, 14 FCC Rcd 9803 (1999).

If  $\text{Abs}(\text{residual}) \leq \text{threshold}$ , then regression weight<sub>i</sub> = 1

Else regression weight<sub>i</sub> =  $\left( \frac{C/2}{DFITS_i} \right)^2$ , where  $C = 2\sqrt{\frac{P+1}{N-P-1}}$

P = number of model coefficients, N = number of observations

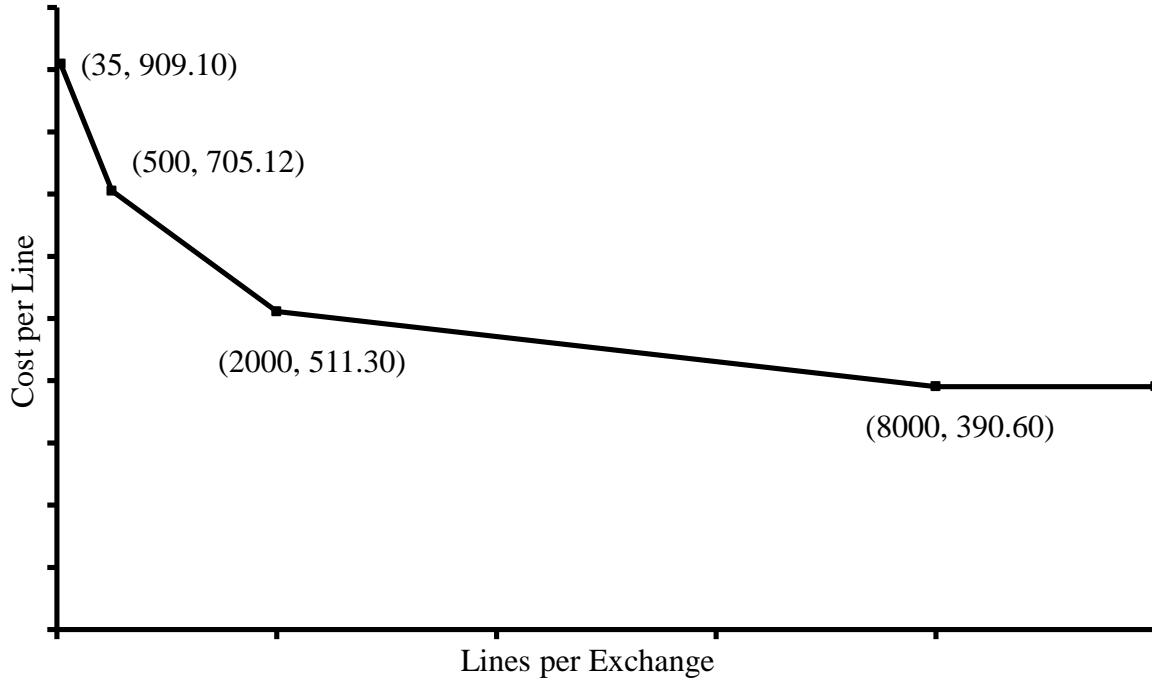
➔ The model relates the CPL variable (the dependent variable) to the lines per exchange variable using constrained linear regression. The model reflects the CPL trend of sample companies, which show relatively higher costs associated with lower values of lines per exchange. This trend decreases at one rate for the smallest study areas, then decreases at slower rates for each of two groups of midsize average schedule study areas, and finally levels off for the larger study areas.

Breakpoints and levels of the straight line components of the formula were chosen because they best fit the cost per line data. NECA designed formula breakpoints to assure support amounts would be accurately distributed across study areas in all size

➔ ranges. The resulting Cost per Line model consists of four straight lines connected at loops per exchange breakpoints of 500, 2000 and 8000. NECA tested sets of breakpoints and regression coefficients iteratively to determine the combination with the best fit to the data.



Exhibit 6  
DSL Cost per Line Model



➔ To fit the Cost per Line formula to sample company data, NECA first calculated the overall average CPL of study areas with more than 50,000 lines, or with lines per exchange exceeding 8000, using the standard weighted ratio estimation method. This method produced a formula Cost per Line for this group of study areas of \$390.60. This CPL is a good statistical representation of the data for these study areas, which show a consistently flat trend as relates to lines per exchange.

$$\rightarrow \text{Cost Per Line} = \frac{\sum_{ECs > (8000 \text{ LPE or } 50000 \text{ Lines})} \text{SampleWeight}_i \cdot \text{OutlierWeight}_i \cdot \text{Cost Per Line} \cdot \text{Lines}_i}{\sum_{ECs > (8000 \text{ LPE or } 50000 \text{ Lines})} \text{SampleWeight}_i \cdot \text{OutlierWeight}_i \cdot \text{Lines}_i}$$

Next, NECA used linear regression to solve for other parameters of the model. The regression model is a sequence of four connected straight lines specified as follows (CPL designates the study area's cost per line; LPE designates each study area's lines per exchange, and BP designates breakpoint).

$$CPL_i = [a_1 + b_1 LPE_i]\delta_{1i} + [a_2 + b_2 LPE_i]\delta_{2i} + [a_3 + b_3 LPE_i]\delta_{3i} + a_4 \delta_{4i}$$

→ where:  $\delta_{1i} = 1$ , if  $(LPE_i \leq BP_1, \text{ and lines} < 50,000)$ , and  $\delta_{1i} = 0$  otherwise.

$\delta_{2i} = 1$ , if  $(BP_1 < LPE_i \leq BP_2, \text{ and lines} < 50,000)$ , and  $\delta_{2i} = 0$  otherwise.

$\delta_{3i} = 1$ , if  $(BP_2 < LPE_i < BP_3, \text{ and lines} < 50,000)$  and  $\delta_{3i} = 0$  otherwise.

$\delta_{4i} = 1$ , if  $(BP_3 > LPE_i, \text{ or lines} \geq 50,000)$  and  $\delta_{4i} = 0$  otherwise.

The model is constrained at the breakpoints,  $BP_1$ ,  $BP_2$  and  $BP_3$ , so that:

$$a_1 + b_1 \cdot BP_1 = a_2 + b_2 \cdot BP_1$$

$$a_2 + b_2 \cdot BP_2 = a_3 + b_3 \cdot BP_2$$

$$a_3 + b_3 \cdot BP_3 = a_4 = \$390.60$$

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*End of excerpt from 2012 USF Filing*

The resulting model is derived using standard linear regression methods, including outlier weighting as described earlier in this section. This model fits the CPL data most accurately, and reflects relationships between line cost and lines per exchange. The resulting Cost per Line model is shown in Exhibit 7.



Exhibit 7  
Proposed Average Schedule DSL Formulas

DSL Basic Formula

Settlement = DSL Lines  $\times$  Settlement per DSL Line + \$1350.95 + Baseline DSL TIC Shift  
Percent DSL = (DSL Lines / Access Lines)  $\times$  100

For study areas offering DSL in NECA Tariff

If Percent DSL less than 40:  $\$31.91 - 0.39886 \times \text{Percent DSL}$

If Percent DSL between 40 and 60:  $\$23.92828 - 0.19943 \times \text{Percent DSL}$

If Percent DSL greater than 60: \$11.96571

Baseline DSL TIC Shift:

The DSL portion of the Baseline Special Access TIC shift from NECA's June 2011 tariff filing.  
This settlement is paid only to study areas participating in NECA's DSL Tariff.

DSL Line Cost Formula

If number of access lines is less than 50,000, and:

If Lines per Exchange is less than 500, then:

Cost per Line =  $\$83.007055 - \$0.046541 \times \text{Lines per Exchange}$

If Lines per Exchange is greater than or equal to 500 but less than 2,000, then:

Cost per Line =  $\$64.935774 - \$0.010398 \times \text{Lines per Exchange}$

If Lines per Exchange is greater than or equal to 2,000 but less than 8,000, then:

Cost per Line =  $\$47.576947 - \$0.001719 \times \text{Lines per Exchange}$

If number of access lines is greater than or equal to 50,000 or if Lines per Exchange is greater than or equal to 8,000, then:

Cost per Line = \$33.827500

## F. Impacts of Proposed Formulas

NECA continues to propose the settlement formulas provided in the December 2012 Filing for all functions except Special Access DSL settlements. To assess impacts of all formulas, this filing uses January 2013 demand data, the first data month that includes the separate report of data-only DSL line counts.<sup>17</sup>

Appendix B shows the calculation of DSL settlement according to the proposed formulas. The first page of this appendix shows data of carriers who currently report data-only DSL customers to NECA. Column E of this report show the incremental line cost settlements per line proposed for these services, ranging from \$44 to \$76 per month. Without this increment only the amount in column D would apply, which tends to be a much smaller number. The smaller amount would apply to voice-data services. This demonstrates the significance of the cost allocation differences for the two services.

The subtotal line on page 1 of this appendix shows that to date 2,458 data-only DSL lines have been reported by average schedule study areas. This is the count of lines to which the higher level of data-only DSL settlements would currently apply and which, as noted in the Summary section above, have forfeited common line settlements including interstate common line support, and universal service high cost loop support, as well as intrastate local exchange service revenues.

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<sup>17</sup> This data differs from the September 2012 data used in the December 2012 Filing, because it is a different data reporting period, and because several companies who settled with NECA based on average schedules in September have since converted to individual cost based settlements or to price cap regulation.

Beginning with page 2 of this appendix, data of study areas so far reporting no data-only DSL lines is shown. DSL settlements to these study areas is proposed to be 2.2% lower than in the December 2012 Filing. This drop in proposed settlements, along with losses in common line and universal service support, offsets the proposed increase to the carriers with data-only DSL lines.

On average, with demand held constant, average schedule settlements are proposed to increase by 3.67 per cent. Study areas providing significant amounts of data-only DSL service can expect settlement increases from the proposed formula. Other study areas providing DSL service in NECA's tariff can expect somewhat lower settlements than proposed in the December 2012 Filing. Settlements to most study areas are proposed to increase relative to current formula settlements.

Exhibit 8 summarizes proposed settlements by formulas, showing total proposed average schedule settlements to be \$30.3 million per month, \$2.2 million lower than proposed in December.

Exhibit 7.6  
Proposed Monthly Settlements by Settlement Element

A. Common Line Basic	\$13,268,676
B. Frozen CL MAG Shifts	\$2,313,416
C. CL Universal Service Contribution	\$1,519,325
D. Common Line Total ( $0.994688 \times (A + B) + C$ )	\$17,018,645
E. Special Access Non DSL Basic	\$4,483,060
F. Frozen Non DSL TIC Shift	\$155,507
G. Special Access Non DSL (E + F)	\$4,638,567
H. Special Access DSL Basic	\$2,689,578
I. Frozen DSL TIC Shift	\$75,793
J. Special Access DSL (H + I)	\$2,765,371
K. Traffic Sensitive Switched	\$5,639,498
L. Traffic Sensitive Total (G + J + K)	\$13,043,437
M. Overall Total (D + L)	\$30,062,081

Exhibit 9 summarizes per cent change by settlement formula. Exhibit 10 summarizes proposed changes by access line size group.

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Exhibit 7.7  
Summary of Proposed Formula Changes

	Proposed Average Formula Change	Formula Percent of Total
A. Common Line Basic	4.55%	44.14%
B. Frozen CL MAG Shifts	0.00%	7.70%
C. CL Universal Service Contribution	0.00%	5.05%
D. Common Line Total (0.994688 x (A + B ) + C)	3.47%	56.61%
E. Special Access Non DSL Basic	10.01%	14.91%
F. Frozen Non DSL TIC Shift	0.00%	0.52%
G. Special Access Non DSL (E + F)	9.64%	15.43%
H. Special Access DSL Basic	16.57%	8.95%
I. Frozen DSL TIC Shift	0.00%	0.25%
J. Special Access DSL (H + I)	16.04%	9.20%
K. Traffic Sensitive Switched	-5.00%	18.76%
L. Traffic Sensitive Total (G + J + K)	3.93%	43.39%
M. Overall Total (D + L)	3.67%	100.00%

Exhibit 7.8  
Settlement Effects of Proposed Average Schedules

Access Line Size Group	Number of ECs	% Change Common Line	% Change Traffic Sensitive	% Change Total	Per Line Change Total
0 to 500	87	5.72%	5.86%	5.80%	\$3.77
501 to 1000	76	3.52%	3.74%	3.64%	\$1.81
1001 to 2500	99	3.70%	4.32%	4.01%	\$1.70
2501 to 5000	36	3.26%	5.13%	4.07%	\$1.41
5001 to 10000	24	3.33%	2.76%	3.12%	\$0.91
10001 to 20000	10	3.56%	3.79%	3.65%	\$1.02
> 20000	7	3.05%	2.05%	2.73%	\$0.65
All Study Areas	339	3.47%	3.93%	3.67%	\$1.21

Detail by study area is provided in Appendix C. A few study areas with very high penetration of data-only DSL service will experience significant increases because of the proposed DSL formula.

Appendix A  
Sample Average Schedule Study Areas DSL Line Cost Data

Study Area Code	Actual Access Line Count	Exchange Count	Actual Cost per Loop
100015	6,793	7	470.68
100019	4,727	6	606.76
100020	4,233	3	364.00
100022	5,487	3	356.34
120043	1,434	1	505.11
140053	784	1	486.60
150125	6,051	2	352.55
170151	15,338	2	285.94
170161	208,408	79	337.95
170162	37,177	10	430.17
170165	41,981	6	320.54
170171	1,129	1	329.73
170191	9,290	8	404.09
170193	44,101	8	343.91
170195	442	1	432.64
170196	6,665	4	476.73
170204	2,276	2	683.78
190253	1,757	1	659.61
200258	1,285	1	448.35
220324	2,617	1	548.34
220364	5,840	4	403.90
220387	13,311	2	396.44
220389	4,861	3	614.37
220395	3,520	3	599.03
230491	71,900	3	575.25
230496	7,973	7	516.09
230497	2,338	2	612.15
230501	29,109	12	529.71
230503	11,909	6	605.80
230505	2,669	3	615.01
230511	22,462	10	635.52
240515	3,963	1	1036.93
240516	12,311	3	528.37
240532	408	1	518.16
240536	10,952	6	1037.16
240546	13,316	7	413.21
250283	8,771	3	404.44

Appendix A  
Sample Average Schedule Study Areas DSL Line Cost Data

Study Area Code	Actual Access Line Count	Exchange Count	Actual Cost per Loop
250285	782	1	1212.54
250311	1,778	4	761.27
250312	5,894	1	315.98
260398	19,165	8	345.05
260408	5,644	3	631.38
260414	13,551	7	756.43
260417	1,680	1	542.67
260419	6,421	6	536.25
270428	919	1	671.94
280451	1,395	1	863.65
290553	29,005	17	637.96
290554	10,070	5	555.59
290565	20,123	10	667.82
290570	4,573	5	670.13
290598	1,202	4	772.37
300585	484	1	1071.20
300588	894	1	676.44
300590	865	3	1058.90
300604	1,138	1	546.37
300609	2,270	1	628.95
300614	725	1	683.57
300625	1,289	1	523.24
300633	512	1	527.09
300645	969	1	473.67
300656	1,024	1	887.98
300659	6,529	2	534.91
300663	259	1	647.88
310669	3,675	1	605.12
310675	3,926	4	728.33
310676	5,790	4	412.82
310678	1,087	1	441.88
310688	994	1	569.25
310692	541	1	984.95
310703	1,592	4	714.43
310735	895	1	707.71
320744	1,316	3	798.78
320751	1,859	2	1048.50



Appendix A  
Sample Average Schedule Study Areas DSL Line Cost Data

Study Area Code	Actual Access Line Count	Exchange Count	Actual Cost per Loop
320777	1,760	1	612.02
320809	1,306	3	628.25
320829	3,113	1	542.44
320830	2,517	4	741.69
330842	5,072	3	356.54
330848	168	2	1782.72
330865	1,327	1	448.47
330868	2,002	3	590.40
330880	5,327	4	389.36
330881	25,083	2	454.18
330889	1,595	2	519.62
330900	2,630	2	1171.21
330925	1,844	1	778.12
330938	5,507	4	488.98
330944	7,492	2	361.78
330946	851	2	749.06
330951	2,424	1	263.86
330955	7,662	1	450.01
330967	2,621	1	345.87
330968	5,961	1	531.46
330970	4,790	5	574.54
340976	3,275	13	855.06
341017	993	1	573.79
341021	92	1	460.99
341024	1,695	7	1071.85
341046	135	1	967.27
341050	2,311	1	696.92
341092	70	1	655.34
351097	270	1	791.71
351101	855	1	663.78
351112	922	3	820.70
351113	1,272	1	368.37
351115	2,124	4	601.52
351118	1,556	2	981.90
351119	333	1	598.75
351125	4,136	3	379.96
351130	597	1	1514.86

Appendix A  
Sample Average Schedule Study Areas DSL Line Cost Data

Study Area Code	Actual Access Line Count	Exchange Count	Actual Cost per Loop
351133	695	4	876.91
351136	489	1	370.73
351137	489	2	976.21
351139	1,247	4	717.90
351146	289	1	869.28
351150	473	1	1260.36
351152	1,243	2	739.06
351153	596	1	620.36
351157	601	2	769.61
351160	850	2	582.68
351162	1,079	2	565.65
351169	423	1	1578.57
351173	2,001	4	643.88
351175	360	1	970.88
351177	1,280	4	583.89
351179	271	1	617.44
351188	460	1	696.50
351189	750	2	1280.17
351195	1,565	4	703.22
351213	494	2	1091.30
351217	829	3	1149.12
351225	1,456	4	958.87
351228	230	1	555.83
351230	1,651	3	618.93
351232	499	1	810.59
351237	1,198	4	631.08
351238	256	1	830.15
351246	616	2	817.88
351247	757	4	779.88
351250	503	1	606.08
351252	3,915	1	619.25
351259	1,899	7	711.71
351261	1,018	4	686.33
351266	221	1	1062.35
351270	244	1	1091.15
351271	1,642	1	986.80
351274	1,226	1	414.64

Appendix A  
Sample Average Schedule Study Areas DSL Line Cost Data

Study Area Code	Actual Access Line Count	Exchange Count	Actual Cost per Loop
351275	167	1	658.01
351276	940	2	896.60
351277	423	1	1140.67
351280	326	1	1015.20
351283	357	1	1140.29
351285	880	2	579.55
351291	1,458	4	1090.66
351292	204	1	1733.33
351293	897	2	886.34
351294	448	1	989.78
351298	10,110	6	671.75
351301	564	3	571.18
351302	1,006	1	662.51
351306	1,163	1	441.74
351319	2,197	6	476.35
351320	453	1	1186.91
351322	391	1	482.34
351324	770	2	1058.88
351331	4,082	6	540.59
351334	3,082	8	809.53
351343	512	1	647.78
351405	1,937	7	827.20
361389	925	4	1829.91
361390	1,887	7	1312.94
361401	1,665	10	1013.60
361405	561	3	596.67
361409	8,416	1	375.11
361424	677	2	697.92
361430	8,450	8	575.98
361431	2,181	4	534.21
361439	701	3	987.10
361440	1,613	4	553.01
361450	3,602	6	598.05
361474	470	1	717.62
361475	3,367	9	710.68
361476	389	1	345.15
361479	11,549	3	525.41

Appendix A  
Sample Average Schedule Study Areas DSL Line Cost Data

Study Area Code	Actual Access Line Count	Exchange Count	Actual Cost per Loop
361485	1,166	2	1176.13
361494	849	1	1213.23
361495	640	2	749.97
361500	41	1	1177.79
361502	1,855	2	374.05
361505	5,302	18	945.67
361654	1,477	3	426.49
371530	1,228	5	906.17
371555	4,923	9	574.70
371562	899	3	1053.32
371563	881	2	652.33
371581	1,467	2	570.87
381601	49	1	754.12
381614	1,795	6	664.01
381615	1,650	4	564.35
381622	780	2	622.10
381625	5,319	16	815.14
381638	948	3	1087.84
383303	32,724	26	587.31
391405	452	3	1128.54
391640	1,328	3	626.31
391642	2,488	5	1076.86
391650	9,096	1	520.70
391653	314	1	272.00
391654	11,384	26	833.64
391669	1,879	6	1002.79
391671	2,059	1	562.90
391677	4,135	5	782.33
391682	354	2	1094.25
391684	1,441	2	683.04
391688	925	3	639.23
401712	5,951	8	515.51
401722	3,067	8	698.08
421206	802	4	1187.73
421759	2,064	6	876.42
421876	151	1	1216.98
421893	420	1	1208.36

Appendix A  
Sample Average Schedule Study Areas DSL Line Cost Data

Study Area Code	Actual Access Line Count	Exchange Count	Actual Cost per Loop
421900	1,228	4	640.49
421936	425	1	794.79
421942	1,525	3	647.05
442043	576	2	777.53
442107	6,154	1	539.90
462210	48	1	1479.58
472227	1,236	5	580.81
502279	1,415	1	503.91
502283	2,195	5	740.23
613026	165	1	400.78

# Appendix B

## Proposed DSL Settlements

Study Area	A Access Lines	B Exchanges	C Access Lines per Exchange	D Basic DSL per Line	E DSL Line Cost per Line	F Data-Only DSL Settlement per Line	G Data-Only DSL Lines	H Total Data-Only DSL Settlement	I Voice-Data DSL Lines	J Voice-Data DSL Settlement	K Frozen DSL TIC	L Total DSL Settlement
			A / B			D + E		F x G		D x I		H + J + K + 1,351
<u>Study Areas With Data-Only DSL Lines</u>												
100020	3,452	3	1,151	16.65	52.97	69.62	243	16,918	1,077	17,935	0	36,205
100022	4,377	3	1,459	11.97	49.77	61.74	455	28,091	2,231	26,703	0	56,145
170195	413	1	413	11.97	63.79	75.76	282	21,364	5	60	192	22,967
200258	1,246	1	1,246	13.47	51.98	65.45	6	393	647	8,718	0	10,462
250312	5,618	1	5,618	28.87	37.92	66.79	37	2,471	391	11,287	0	15,109
290554	10,341	5	2,068	12.15	44.02	56.17	2	112	6,102	74,169	2,086	77,718
320756	788	1	788	11.97	56.74	68.71	137	9,413	463	5,542	0	16,306
320796	492	1	492	11.97	60.11	72.08	89	6,415	288	3,447	501	11,714
320827	1,168	1	1,168	11.97	52.79	64.76	204	13,211	530	6,344	0	20,905
351098	279	1	279	12.07	70.02	82.09	26	2,134	140	1,689	0	5,175
351118	1,491	2	746	11.97	57.18	69.15	13	899	932	11,155	0	13,405
351205	1,080	2	540	11.97	59.32	71.29	499	35,573	694	8,307	735	45,966
351261	1,040	4	260	13.61	70.91	84.52	3	254	535	7,282	0	8,887
351266	224	1	224	11.97	72.58	84.55	11	930	131	1,568	0	3,849
351276	970	2	485	13.58	60.44	74.02	22	1,629	481	6,533	169	9,682
351285	898	2	449	13.22	62.11	75.33	45	3,390	437	5,777	64	10,582
351307	154	1	154	12.79	75.84	88.63	3	266	83	1,062	0	2,678
351309	356	1	356	14.91	66.44	81.35	5	407	156	2,326	0	4,084
351322	404	1	404	11.97	64.21	76.18	20	1,524	234	2,801	27	5,702
351331	3,963	6	661	12.03	58.06	70.09	93	6,518	2,272	27,327	2,760	37,956
361401	1,786	10	179	11.97	74.68	86.65	116	10,051	1,012	12,113	0	23,515
371563	792	2	396	12.62	64.58	77.20	11	849	438	5,529	122	7,852
371581	1,402	2	701	11.97	57.65	69.62	86	5,987	819	9,803	233	17,374
391653	303	1	303	13.86	68.91	82.77	1	83	152	2,106	117	3,657
421900	975	4	244	13.40	71.65	85.05	12	1,021	503	6,739	151	9,261
421932	1,218	1	1,218	11.97	52.27	64.24	37	2,377	834	9,982	428	14,138
Subtotal with Data-Only	45,230						2,458	172,280	21,587	276,303	7,585.00	491,293

# Appendix B

## Proposed DSL Settlements

	A	B	C	D	E	F	G	H	I	J	K	L
Study Area	Access Lines	Exchanges	Access Lines per Exchange	Basic DSL per Line	DSL Line Cost per Line	Data-Only DSL Settlement per Line	Data-Only DSL Lines	Total Data-Only DSL Settlement	Voice-Data DSL Lines	Voice-Data DSL Settlement	Frozen DSL TIC	Total DSL Settlement
	A / B				D + E		F x G		D x I		H + J + K + 1,351	
Study Areas Without Data-Only DSL Lines												
100015	6,493	7	928	14.26	55.29	69.55	0	0	3,149	44,896	2,756	49,003
120042	28	1	28	30.48	81.70	112.18	0	0	1	30	0	1,381
120043	1,481	1	1,481	12.04	49.54	61.58	0	0	883	10,629	396	12,376
140053	815	1	815	13.26	56.46	69.72	0	0	436	5,781	155	7,287
140064	3,170	6	528	12.98	59.45	72.43	0	0	1,741	22,592	1,175	25,118
150076	901	1	901	12.73	55.57	68.30	0	0	506	6,442	0	7,793
170145	1,839	1	1,839	25.90	45.81	71.71	0	0	277	7,175	67	8,593
170200	1,372	1	1,372	20.80	50.67	71.47	0	0	382	7,945	280	9,576
190220	161	1	161	12.78	75.51	88.29	0	0	90	1,150	0	2,501
190225	6,837	5	1,367	11.97	50.72	62.69	0	0	5,167	61,844	2,835	66,030
190237	1,299	3	433	14.95	62.86	77.81	0	0	585	8,747	427	10,525
190239	729	1	729	13.06	57.36	70.42	0	0	397	5,187	313	6,850
190243	2,483	2	1,242	13.34	52.02	65.36	0	0	1,318	17,580	517	19,447
190250	21,740	9	2,416	12.76	43.43	56.19	0	0	12,170	155,303	0	156,654
197251	808	1	808	14.13	56.53	70.66	0	0	397	5,610	0	6,961
220380	4,364	6	727	13.03	57.38	70.41	0	0	2,383	31,062	809	33,222
220389	4,212	3	1,404	15.84	50.34	66.18	0	0	1,709	27,073	1,101	29,525
230478	1,624	1	1,624	15.48	48.05	63.53	0	0	688	10,650	509	12,510
230494	1,321	1	1,321	17.05	51.20	68.25	0	0	492	8,391	215	9,956
230496	11,829	8	1,479	12.80	49.56	62.36	0	0	6,601	84,494	2,295	88,140
230497	2,310	2	1,155	21.49	52.93	74.42	0	0	603	12,961	609	14,920
230503	11,720	6	1,953	12.70	44.63	57.33	0	0	6,598	83,811	3,668	88,830
230505	2,488	3	829	13.41	56.32	69.73	0	0	1,313	17,603	761	19,715
240536	11,059	6	1,843	12.19	45.77	57.96	0	0	6,505	79,322	3,840	84,513
250285	719	1	719	15.41	57.46	72.87	0	0	307	4,731	235	6,317
250322	3,142	4	786	14.75	56.76	71.51	0	0	1,447	21,338	726	23,415
260398	17,293	8	2,162	15.23	43.86	59.09	0	0	7,549	114,936	733	117,020
260419	6,324	6	1,054	19.98	53.98	73.96	0	0	1,892	37,798	267	39,416
270428	989	1	989	14.29	54.65	68.94	0	0	478	6,829	168	8,348

# Appendix B

## Proposed DSL Settlements

Study Area	A Access Lines	B Exchanges	C Access Lines per Exchange	D Basic DSL per Line	E DSL Line Cost per Line	F Data-Only DSL Settlement per Line	G Data-Only DSL Lines	H Total Data-Only DSL Settlement	I Voice-Data DSL Lines	J Voice-Data DSL Settlement	K Frozen DSL TIC	L Total DSL Settlement
			A / B			D + E		F x G		D x I		H + J + K + 1,351
280451	1,434	1	1,434	12.03	50.03	62.06	0	0	856	10,296	665	12,312
280467	695	1	695	15.15	57.71	72.86	0	0	306	4,635	254	6,240
290565	19,240	10	1,924	16.22	44.93	61.15	0	0	7,567	122,757	1,733	125,841
290570	4,488	5	898	14.20	55.60	69.80	0	0	2,189	31,081	0	32,432
290598	1,135	4	284	14.29	69.79	84.08	0	0	549	7,843	650	9,844
300591	580	1	580	28.40	58.91	87.31	0	0	51	1,448	0	2,799
300604	987	1	987	29.04	54.67	83.71	0	0	71	2,062	18	3,431
300634	2,762	1	2,762	13.06	42.83	55.89	0	0	1,505	19,662	641	21,654
300664	813	1	813	11.97	56.48	68.45	0	0	558	6,679	269	8,299
310678	1,052	1	1,052	12.23	54.00	66.23	0	0	617	7,548	184	9,083
310694	528	1	528	12.53	59.45	71.98	0	0	302	3,783	200	5,334
310725	878	1	878	12.16	55.81	67.97	0	0	518	6,301	309	7,961
320826	621	1	621	11.97	58.48	70.45	0	0	480	5,745	0	7,096
320839	669	1	669	18.67	57.98	76.65	0	0	222	4,144	0	5,495
330847	673	1	673	14.03	57.94	71.97	0	0	334	4,687	0	6,038
330848	154	2	77	11.97	79.42	91.39	0	0	117	1,400	12	2,763
330872	1,297	1	1,297	14.35	51.45	65.80	0	0	623	8,937	0	10,288
330946	751	2	376	15.35	65.51	80.86	0	0	323	4,959	267	6,577
340976	3,268	13	251	11.97	71.33	83.30	0	0	2,256	27,002	3,306	31,659
340993	368	1	368	16.95	65.88	82.83	0	0	138	2,339	89	3,779
341017	974	1	974	11.97	54.81	66.78	0	0	618	7,397	402	9,150
341024	1,675	7	239	12.49	71.88	84.37	0	0	961	12,000	631	13,982
341041	91	1	91	12.31	78.77	91.08	0	0	53	653	0	2,003
341046	133	1	133	13.13	76.82	89.95	0	0	72	946	69	2,366
341062	467	1	467	11.97	61.27	73.24	0	0	303	3,627	0	4,978
341075	381	1	381	11.97	65.28	77.25	0	0	254	3,040	183	4,574
341086	350	1	350	12.64	66.72	79.36	0	0	198	2,503	153	4,007
341087	534	1	534	12.35	59.38	71.73	0	0	310	3,829	310	5,490
350739	183	1	183	11.97	74.49	86.46	0	0	127	1,520	0	2,871
351097	272	1	272	11.97	70.35	82.32	0	0	172	2,059	79	3,489



# Appendix B

## Proposed DSL Settlements

Study Area	A Access Lines	B Exchanges	C Access Lines per Exchange	D Basic DSL per Line	E DSL Line Cost per Line	F Data-Only DSL Settlement per Line	G Data-Only DSL Lines	H Total Data-Only DSL Settlement	I Voice-Data DSL Lines	J Voice-Data DSL Settlement	K Frozen DSL TIC	L Total DSL Settlement
			A / B			D + E		F x G		D x I		H + J + K + 1,351
351101	875	1	875	11.97	55.84	67.81	0	0	667	7,983	0	9,334
351107	266	1	266	12.01	70.63	82.64	0	0	159	1,909	9	3,269
351108	104	1	104	22.71	78.17	100.88	0	0	24	545	0	1,896
351112	863	3	288	13.53	69.60	83.13	0	0	450	6,090	82	7,523
351113	1,258	1	1,258	12.23	51.86	64.09	0	0	738	9,028	617	10,996
351114	303	1	303	13.59	68.91	82.50	0	0	157	2,134	0	3,485
351119	306	1	306	11.97	68.77	80.74	0	0	185	2,214	132	3,697
351121	103	1	103	13.67	78.21	91.88	0	0	53	725	0	2,075
351133	697	4	174	11.97	74.91	86.88	0	0	436	5,219	0	6,569
351137	496	2	248	13.15	71.47	84.62	0	0	268	3,525	0	4,876
351139	1,280	4	320	11.97	68.11	80.08	0	0	786	9,408	255	11,014
351141	674	1	674	13.54	57.93	71.47	0	0	351	4,754	247	6,352
351146	277	1	277	21.54	70.12	91.66	0	0	72	1,551	93	2,995
351147	724	1	724	12.42	57.41	69.83	0	0	418	5,191	315	6,857
351149	236	1	236	11.97	72.02	83.99	0	0	143	1,712	0	3,063
351152	1,151	2	576	13.10	58.95	72.05	0	0	625	8,190	551	10,092
351153	571	1	571	11.97	59.00	70.97	0	0	433	5,183	0	6,534
351157	695	2	348	14.95	66.81	81.76	0	0	313	4,680	0	6,031
351162	1,071	2	536	11.97	59.36	71.33	0	0	744	8,905	0	10,256
351166	639	1	639	11.97	58.29	70.26	0	0	423	5,063	24	6,438
351168	1,597	7	228	11.97	72.40	84.37	0	0	981	11,742	1,020	14,113
351171	1,831	1	1,831	11.97	45.90	57.87	0	0	1,254	15,009	0	16,360
351173	1,840	4	460	11.97	61.60	73.57	0	0	1,587	18,995	388	20,734
351175	314	1	314	11.97	68.39	80.36	0	0	240	2,873	94	4,318
351176	389	1	389	13.62	64.90	78.52	0	0	201	2,738	159	4,248
351179	274	1	274	13.08	70.26	83.34	0	0	149	1,949	0	3,300
351188	408	1	408	11.97	64.02	75.99	0	0	260	3,112	21	4,484
351189	733	2	367	12.23	65.93	78.16	0	0	430	5,260	407	7,018
351191	424	1	424	11.97	63.27	75.24	0	0	338	4,046	229	5,625
351199	402	1	402	13.31	64.30	77.61	0	0	214	2,848	125	4,324

# Appendix B

## Proposed DSL Settlements

Study Area	A Access Lines	B Exchanges	C Access Lines per Exchange	D Basic DSL per Line	E DSL Line Cost per Line	F Data-Only DSL Settlement per Line	G Data-Only DSL Lines	H Total Data-Only DSL Settlement	I Voice-Data DSL Lines	J Voice-Data DSL Settlement	K Frozen DSL TIC	L Total DSL Settlement
			A / B			D + E		F x G		D x I		H + J + K + 1,351
351202	564	1	564	19.39	59.07	78.46	0	0	177	3,432	0	4,783
351203	637	1	637	13.88	58.31	72.19	0	0	321	4,454	195	6,000
351217	795	3	265	11.97	70.67	82.64	0	0	513	6,140	0	7,491
351228	229	1	229	11.97	72.35	84.32	0	0	141	1,688	0	3,039
351232	503	1	503	17.55	59.71	77.26	0	0	181	3,177	1,194	5,722
351235	495	1	495	12.60	59.97	72.57	0	0	281	3,542	220	5,113
351237	1,202	4	301	12.58	69.00	81.58	0	0	684	8,602	170	10,122
351238	248	1	248	12.91	71.47	84.38	0	0	137	1,768	59	3,178
351239	455	2	228	17.71	72.40	90.11	0	0	162	2,869	72	4,292
351241	631	1	631	11.97	58.37	70.34	0	0	400	4,788	337	6,476
351242	550	1	550	11.97	59.22	71.19	0	0	375	4,488	85	5,924
351246	603	2	302	12.42	68.95	81.37	0	0	348	4,322	0	5,673
351247	756	4	189	13.01	74.21	87.22	0	0	414	5,384	26	6,761
351250	470	1	470	12.09	61.13	73.22	0	0	279	3,372	172	4,895
351257	710	1	710	12.95	57.55	70.50	0	0	391	5,062	222	6,635
351259	1,829	7	261	11.97	70.86	82.83	0	0	1,262	15,105	15	16,471
351264	534	2	267	11.97	70.58	82.55	0	0	355	4,249	222	5,822
351265	171	1	171	14.72	75.05	89.77	0	0	79	1,163	0	2,514
351269	459	1	459	11.97	61.65	73.62	0	0	328	3,926	0	5,277
351270	244	1	244	12.24	71.65	83.89	0	0	143	1,751	62	3,164
351275	154	1	154	11.97	75.84	87.81	0	0	103	1,233	0	2,584
351280	307	1	307	12.11	68.72	80.83	0	0	182	2,203	173	3,727
351282	1,049	4	262	13.03	70.81	83.84	0	0	573	7,469	434	9,254
351283	358	1	358	12.12	66.35	78.47	0	0	212	2,569	57	3,976
351291	1,406	4	352	17.70	66.63	84.33	0	0	501	8,867	501	10,719
351292	194	1	194	16.08	73.98	90.06	0	0	77	1,238	0	2,589
351293	908	2	454	11.97	61.88	73.85	0	0	549	6,571	446	8,368
351294	445	1	445	12.68	62.30	74.98	0	0	251	3,183	179	4,713
351301	542	3	181	12.22	74.58	86.80	0	0	318	3,887	0	5,238
351302	1,019	1	1,019	11.97	54.34	66.31	0	0	719	8,606	128	10,085

# Appendix B

## Proposed DSL Settlements

Study Area	A Access Lines	B Exchanges	C Access Lines per Exchange	D Basic DSL per Line	E DSL Line Cost per Line	F Data-Only DSL Settlement per Line	G Data-Only DSL Lines	H Total Data-Only DSL Settlement	I Voice-Data DSL Lines	J Voice-Data DSL Settlement	K Frozen DSL TIC	L Total DSL Settlement
			A / B			D + E		F x G		D x I		H + J + K + 1,351
351306	1,172	1	1,172	19.38	52.75	72.13	0	0	368	7,132	0	8,483
351308	368	1	368	13.20	65.88	79.08	0	0	198	2,614	14	3,979
351310	455	1	455	12.40	61.83	74.23	0	0	263	3,261	54	4,666
351319	2,250	6	375	14.26	65.55	79.81	0	0	1,091	15,555	226	17,132
351334	3,110	8	389	11.97	64.90	76.87	0	0	1,939	23,208	893	25,452
351335	288	1	288	14.65	69.60	84.25	0	0	134	1,963	44	3,358
351336	1,234	1	1,234	13.80	52.10	65.90	0	0	627	8,651	380	10,382
351342	169	1	169	15.90	75.14	91.04	0	0	68	1,081	0	2,432
351343	477	1	477	15.02	60.81	75.83	0	0	213	3,199	190	4,740
351344	644	3	215	15.07	73.00	88.07	0	0	286	4,310	19	5,680
351407	184	1	184	15.47	74.44	89.91	0	0	78	1,207	0	2,558
351424	872	3	291	11.97	69.46	81.43	0	0	611	7,313	0	8,664
361390	1,937	7	277	12.83	70.12	82.95	0	0	1,078	13,830	201	15,382
361403	756	1	756	14.70	57.08	71.78	0	0	350	5,144	15	6,510
361424	697	2	349	13.63	66.76	80.39	0	0	360	4,907	266	6,524
361512	128	1	128	11.97	77.05	89.02	0	0	80	958	59	2,367
361654	1,480	3	493	11.97	60.06	72.03	0	0	938	11,227	0	12,578
371530	1,170	5	234	13.88	72.12	86.00	0	0	590	8,187	422	9,960
371555	4,943	9	549	12.68	59.23	71.91	0	0	2,787	35,347	2,750	39,448
381509	262	2	131	11.97	76.91	88.88	0	0	196	2,346	115	3,812
381614	1,866	6	311	12.87	68.53	81.40	0	0	1,035	13,319	5	14,675
381615	1,627	4	407	19.11	64.07	83.18	0	0	522	9,974	790	12,115
381622	779	2	390	12.23	64.86	77.09	0	0	457	5,591	250	7,191
381625	6,035	16	377	12.77	65.46	78.23	0	0	3,375	43,102	522	44,975
381638	1,002	3	334	13.06	67.46	80.52	0	0	546	7,133	411	8,895
391640	1,329	3	443	13.91	62.39	76.30	0	0	668	9,289	0	10,640
391649	1,272	1	1,272	14.32	51.71	66.03	0	0	613	8,776	35	10,162
391669	1,936	6	323	11.97	67.97	79.94	0	0	1,206	14,435	0	15,786
391677	3,922	5	784	12.64	56.78	69.42	0	0	2,220	28,069	0	29,420
391682	378	2	189	12.59	74.21	86.80	0	0	215	2,706	0	4,057

# Appendix B

## Proposed DSL Settlements

Study Area	A Access Lines	B Exchanges	C Access Lines per Exchange	D Basic DSL per Line	E DSL Line Cost per Line	F Data-Only DSL Settlement per Line	G Data-Only DSL Lines	H Total Data-Only DSL Settlement	I Voice-Data DSL Lines	J Voice-Data DSL Settlement	K Frozen DSL TIC	L Total DSL Settlement
			A / B			D + E		F x G		D x I		H + J + K + 1,351
391684	1,376	2	688	11.97	57.78	69.75	0	0	854	10,222	0	11,573
401710	803	2	402	15.01	64.30	79.31	0	0	359	5,389	28	6,768
401712	5,937	8	742	14.38	57.22	71.60	0	0	2,840	40,852	2,278	44,481
401722	2,815	8	352	20.67	66.63	87.30	0	0	793	16,393	869	18,613
421759	2,247	6	375	13.55	65.55	79.10	0	0	1,169	15,844	50	17,245
421893	383	1	383	12.06	65.18	77.24	0	0	228	2,749	71	4,171
421942	1,451	3	484	14.94	60.48	75.42	0	0	654	9,772	378	11,501
431968	1,348	1	1,348	15.33	50.92	66.25	0	0	581	8,908	234	10,493
442043	506	2	253	14.19	71.23	85.42	0	0	247	3,505	166	5,022
462198	774	1	774	12.31	56.89	69.20	0	0	451	5,552	78	6,981
462206	59	1	59	15.14	80.26	95.40	0	0	26	394	0	1,745
462210	49	1	49	14.16	80.73	94.89	0	0	24	340	0	1,691
502279	1,341	1	1,341	13.40	50.99	64.39	0	0	708	9,485	366	11,202
502283	2,170	5	434	14.10	62.81	76.91	0	0	1,069	15,074	0	16,425
532386	1,631	1	1,631	16.45	47.98	64.43	0	0	632	10,395	157	11,903
532396	548	1	548	13.30	59.24	72.54	0	0	292	3,883	81	5,315
Subtotal No Data-Only	282,451						0	0	146,308	1,983,060	57,435	2,263,402

Appendix C  
2013 Further Modifications Of Average Schedules  
Impacts Of Proposed Formulas For July 2013 Using January 2013 View Of January 2013 Settlements Data

Study Area	Current Common Line Settlement	Current Traffic Sensitive Settlement	Current Total Settlement	Preliminary Common Line Settlement	Preliminary Traffic Sensitive Settlement	Preliminary Total Settlement	Total Settlement Difference	Access Lines	Total Settlement Difference Per Line	Total Settlement Percent Difference
170277	1,674	4,174	5,848	1,759	3,965	5,725	-124	34	-3.64	-2.11%
361500	1,572	3,946	5,518	1,655	3,749	5,404	-115	33	-3.47	-2.08%
381601	1,822	5,333	7,155	1,939	5,066	7,006	-149	48	-3.10	-2.08%
371590	2,290	5,367	7,657	2,453	5,099	7,551	-106	68	-1.56	-1.38%
351309	14,259	48,798	63,057	14,757	47,902	62,658	-399	356	-1.12	-0.63%
300588	18,809	30,968	49,777	19,057	30,014	49,071	-707	852	-0.83	-1.42%
351292	5,377	27,736	33,112	5,756	27,267	33,023	-89	194	-0.46	-0.27%
300589	13,583	22,367	35,950	13,941	21,753	35,693	-257	604	-0.42	-0.71%
361348	2,187	3,839	6,026	2,352	3,647	5,999	-27	69	-0.40	-0.46%
320771	10,518	14,944	25,463	11,016	14,291	25,308	-155	403	-0.38	-0.61%
351274	24,454	24,014	48,469	24,929	23,276	48,205	-263	1,206	-0.22	-0.54%
300663	6,152	10,344	16,496	6,563	9,884	16,447	-49	220	-0.22	-0.30%
230500	16,235	14,965	31,200	16,456	14,597	31,053	-148	800	-0.18	-0.47%
300645	18,740	14,376	33,116	19,059	13,886	32,944	-172	974	-0.18	-0.52%
300614	15,387	13,958	29,346	15,667	13,562	29,229	-117	716	-0.16	-0.40%
100019	91,491	43,829	135,320	93,057	41,641	134,698	-622	4,457	-0.14	-0.46%
310735	18,239	14,470	32,710	18,478	14,116	32,594	-116	833	-0.14	-0.35%
351136	11,965	10,776	22,741	12,430	10,265	22,695	-46	451	-0.10	-0.20%
351126	4,539	6,697	11,236	4,870	6,355	11,225	-11	139	-0.08	-0.10%
351320	14,907	19,050	33,957	15,375	18,560	33,935	-22	446	-0.05	-0.07%
361427	264,494	0	264,494	263,797	0	263,797	-697	17,253	-0.04	-0.26%
361353	20,547	14,620	35,168	20,930	14,214	35,144	-23	1,075	-0.02	-0.07%
361381	4,866	7,023	11,889	5,215	6,672	11,887	-2	172	-0.01	-0.01%
391650	133,423	0	133,423	133,480	0	133,480	57	9,140	0.01	0.04%
230491	876,277	488,895	1,365,171	873,086	493,432	1,366,518	1,347	63,520	0.02	0.10%
300654	12,747	16,515	29,262	13,108	16,165	29,273	11	600	0.02	0.04%
300656	18,858	13,322	32,180	19,182	13,014	32,196	17	984	0.02	0.05%
170197	24,940	16,154	41,094	25,421	15,729	41,149	56	1,213	0.05	0.14%

Appendix C  
2013 Further Modifications Of Average Schedules  
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Study Area	Current Common Line Settlement	Current Traffic Sensitive Settlement	Current Total Settlement	Preliminary Common Line Settlement	Preliminary Traffic Sensitive Settlement	Preliminary Total Settlement	Total Settlement Difference	Access Lines	Total Settlement Difference Per Line	Total Settlement Percent Difference
330879	46,666	36,363	83,028	47,331	35,907	83,238	210	2,403	0.09	0.25%
351273	14,094	10,847	24,940	14,403	10,607	25,010	70	673	0.10	0.28%
330875	19,537	12,169	31,707	19,915	11,905	31,820	113	1,067	0.11	0.36%
361508	14,693	12,605	27,298	14,943	12,448	27,391	93	759	0.12	0.34%
361423	13,867	10,522	24,388	14,152	10,346	24,497	109	709	0.15	0.45%
320751	35,286	27,589	62,875	35,820	27,336	63,156	282	1,773	0.16	0.45%
300625	25,612	19,132	44,744	26,232	18,753	44,984	241	1,387	0.17	0.54%
310688	19,831	31,060	50,890	20,107	30,936	51,043	152	903	0.17	0.30%
330938	91,934	70,336	162,270	93,875	69,294	163,170	900	4,877	0.18	0.55%
462198	17,106	19,541	36,647	17,346	19,463	36,808	161	774	0.21	0.44%
310675	76,248	42,405	118,653	77,653	41,848	119,501	848	4,105	0.21	0.71%
170171	20,363	16,842	37,205	20,770	16,679	37,449	245	1,111	0.22	0.66%
260412	21,903	17,466	39,369	22,361	17,267	39,628	259	1,182	0.22	0.66%
170210	25,151	19,532	44,683	25,594	19,357	44,951	268	1,161	0.23	0.60%
330889	29,453	25,599	55,053	29,939	25,479	55,418	366	1,538	0.24	0.66%
320778	27,947	15,692	43,638	28,766	15,255	44,021	383	1,606	0.24	0.88%
170191	188,383	131,865	320,248	191,903	130,623	322,526	2,278	9,260	0.25	0.71%
330896	27,021	20,434	47,456	27,615	20,200	47,816	360	1,383	0.26	0.76%
361487	20,025	13,355	33,380	20,491	13,228	33,719	339	1,193	0.28	1.02%
502282	48,012	26,637	74,649	49,149	26,255	75,403	754	2,650	0.28	1.01%
330846	62,253	42,167	104,419	64,026	41,432	105,458	1,039	3,348	0.31	1.00%
340983	21,564	17,894	39,457	22,152	17,706	39,858	401	1,246	0.32	1.02%
330925	30,102	18,773	48,875	31,039	18,410	49,450	575	1,723	0.33	1.18%
341021	2,847	3,709	6,556	3,063	3,524	6,587	31	94	0.33	0.47%
320792	37,272	35,060	72,332	38,728	34,325	73,053	720	2,167	0.33	1.00%
300651	7,207	7,502	14,709	7,686	7,127	14,813	103	300	0.34	0.70%
320837	13,707	10,911	24,618	14,002	10,854	24,856	238	694	0.34	0.97%
300650	25,450	15,699	41,149	26,106	15,497	41,602	453	1,295	0.35	1.10%

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2013 Further Modifications Of Average Schedules  
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Study Area	Current Common Line Settlement	Current Traffic Sensitive Settlement	Current Total Settlement	Preliminary Common Line Settlement	Preliminary Traffic Sensitive Settlement	Preliminary Total Settlement	Total Settlement Difference	Access Lines	Total Settlement Difference Per Line	Total Settlement Percent Difference
330905	37,234	21,938	59,172	37,969	21,945	59,914	742	2,103	0.35	1.25%
300633	10,518	12,537	23,056	10,946	12,293	23,239	183	504	0.36	0.79%
361356	68,670	30,234	98,904	69,910	30,395	100,305	1,402	3,809	0.37	1.42%
170196	108,530	64,400	172,930	111,381	63,760	175,141	2,210	5,971	0.37	1.28%
330880	94,914	46,285	141,200	97,193	46,035	143,228	2,029	5,307	0.38	1.44%
190225	127,621	119,099	246,721	130,638	118,714	249,351	2,631	6,837	0.38	1.07%
330865	23,868	22,049	45,917	24,428	21,986	46,414	497	1,314	0.38	1.08%
361409	105,843	80,895	186,738	107,126	82,721	189,848	3,109	7,713	0.40	1.67%
300609	35,890	21,935	57,824	37,162	21,472	58,634	810	2,020	0.40	1.40%
482252	43,498	0	43,498	44,558	0	44,558	1,060	2,554	0.42	2.44%
341053	47,925	28,973	76,898	49,137	28,910	78,047	1,149	2,741	0.42	1.49%
300639	17,731	11,104	28,835	18,071	11,200	29,271	436	1,009	0.43	1.51%
351278	15,203	0	15,203	15,508	0	15,508	304	680	0.45	2.00%
361443	163,015	84,732	247,747	166,157	85,741	251,898	4,151	9,204	0.45	1.68%
300619	18,919	11,893	30,813	19,287	11,998	31,285	473	1,052	0.45	1.53%
330868	39,204	25,777	64,981	40,089	25,838	65,927	946	2,083	0.45	1.46%
351101	17,887	23,190	41,078	18,148	23,334	41,482	404	875	0.46	0.98%
330970	82,604	64,027	146,631	84,032	64,696	148,728	2,097	4,590	0.46	1.43%
351260	65,300	52,367	117,667	66,351	52,741	119,092	1,425	3,077	0.46	1.21%
120043	30,004	34,242	64,246	30,706	34,241	64,947	701	1,481	0.47	1.09%
361502	35,009	34,945	69,954	35,525	35,245	70,770	816	1,739	0.47	1.17%
310676	100,183	47,197	147,380	103,053	47,209	150,262	2,882	5,991	0.48	1.96%
361430	143,727	73,718	217,445	146,524	74,817	221,341	3,896	8,188	0.48	1.79%
287449	11,044	11,052	22,096	11,438	10,932	22,369	273	553	0.49	1.24%
351222	12,200	11,343	23,542	12,558	11,278	23,835	293	604	0.49	1.24%
300662	10,819	7,712	18,532	11,194	7,625	18,819	287	580	0.49	1.55%
361396	52,688	26,578	79,266	53,898	26,698	80,597	1,331	2,735	0.49	1.68%
330851	24,853	20,102	44,955	25,518	20,147	45,665	710	1,439	0.49	1.58%

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Study Area	Current Common Line Settlement	Current Traffic Sensitive Settlement	Current Total Settlement	Preliminary Common Line Settlement	Preliminary Traffic Sensitive Settlement	Preliminary Total Settlement	Total Settlement Difference	Access Lines	Total Settlement Difference Per Line	Total Settlement Percent Difference
330843	75,887	38,314	114,201	77,937	38,398	116,336	2,134	4,380	0.49	1.87%
361499	31,636	18,096	49,732	32,704	17,948	50,652	920	1,844	0.50	1.85%
240535	11,066	11,985	23,051	11,459	11,871	23,330	279	553	0.50	1.21%
330914	73,484	44,792	118,276	74,679	45,677	120,356	2,080	4,168	0.50	1.76%
351115	30,047	29,349	59,396	31,262	29,172	60,434	1,039	1,994	0.52	1.75%
341050	38,096	24,901	62,997	39,574	24,566	64,140	1,143	2,183	0.52	1.81%
240541	34,188	0	34,188	35,200	0	35,200	1,012	1,794	0.56	2.96%
330951	42,096	28,646	70,742	43,978	28,160	72,138	1,397	2,473	0.56	1.97%
260408	108,591	0	108,591	111,872	0	111,872	3,281	5,602	0.59	3.02%
290554	199,226	180,135	379,362	205,886	179,675	385,561	6,199	10,341	0.60	1.63%
361515	28,158	15,536	43,694	29,063	15,703	44,766	1,072	1,691	0.63	2.45%
300591	12,170	14,637	26,808	12,545	14,628	27,173	365	580	0.63	1.36%
330842	90,572	72,665	163,237	93,170	73,239	166,409	3,172	4,960	0.64	1.94%
310725	18,622	25,703	44,325	18,885	25,999	44,884	559	878	0.64	1.26%
300585	10,116	10,392	20,508	10,567	10,250	20,817	309	470	0.66	1.51%
240536	189,156	177,437	366,593	195,560	178,292	373,852	7,259	11,059	0.66	1.98%
230511	363,055	0	363,055	377,395	0	377,395	14,340	21,482	0.67	3.95%
250283	137,600	97,612	235,212	143,590	96,825	240,415	5,204	7,648	0.68	2.21%
290553	541,859	235,286	777,145	557,312	239,393	796,706	19,560	28,819	0.68	2.52%
220324	40,665	30,006	70,671	42,366	29,906	72,272	1,601	2,347	0.68	2.27%
310678	21,511	24,796	46,307	21,878	25,154	47,032	725	1,052	0.69	1.57%
170204	43,124	55,417	98,541	43,886	56,139	100,025	1,484	2,145	0.69	1.51%
240546	243,192	119,912	363,104	251,788	121,054	372,842	9,738	13,877	0.70	2.68%
340990	6,038	5,318	11,356	6,482	5,052	11,535	178	253	0.70	1.57%
351171	32,133	38,077	70,211	33,187	38,297	71,484	1,273	1,831	0.70	1.81%
351133	19,815	30,157	49,972	21,226	29,244	50,471	498	697	0.71	1.00%
391671	38,516	40,709	79,225	39,839	40,901	80,739	1,514	2,061	0.73	1.91%
383303	588,569	464,079	1,052,648	602,196	474,804	1,077,000	24,352	33,008	0.74	2.31%



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Study Area	Current Common Line Settlement	Current Traffic Sensitive Settlement	Current Total Settlement	Preliminary Common Line Settlement	Preliminary Traffic Sensitive Settlement	Preliminary Total Settlement	Total Settlement Difference	Access Lines	Total Settlement Difference Per Line	Total Settlement Percent Difference
391677	71,070	86,989	158,059	72,233	88,743	160,975	2,916	3,922	0.74	1.84%
361408	32,655	25,243	57,898	33,932	25,113	59,044	1,147	1,522	0.75	1.98%
361495	18,149	20,512	38,661	19,104	20,004	39,108	447	599	0.75	1.16%
361375	138,419	0	138,419	142,873	0	142,873	4,454	5,906	0.75	3.22%
391684	30,824	35,506	66,330	31,422	35,947	67,369	1,039	1,376	0.75	1.57%
391660	101,681	90,673	192,354	104,243	92,112	196,355	4,001	5,267	0.76	2.08%
361450	70,154	42,503	112,657	72,432	42,881	115,312	2,655	3,439	0.77	2.36%
230501	477,064	0	477,064	500,185	0	500,185	23,121	30,026	0.77	4.85%
361474	10,215	10,704	20,919	10,649	10,656	21,305	386	494	0.78	1.85%
351302	20,135	22,265	42,400	20,482	22,728	43,209	809	1,019	0.79	1.91%
341029	21,309	17,811	39,120	22,158	17,760	39,918	798	1,017	0.79	2.04%
100005	10,201	8,375	18,576	10,635	8,338	18,973	398	495	0.80	2.14%
361431	44,439	29,063	73,501	46,042	29,222	75,263	1,762	2,172	0.81	2.40%
351150	9,425	8,563	17,988	9,903	8,434	18,337	350	431	0.81	1.94%
351230	38,181	28,091	66,272	39,394	28,200	67,594	1,322	1,614	0.82	1.99%
280451	28,120	30,055	58,175	28,780	30,568	59,348	1,172	1,434	0.82	2.02%
351212	46,247	0	46,247	48,600	0	48,600	2,353	2,773	0.85	5.09%
300664	14,441	20,096	34,537	14,669	20,565	35,234	697	813	0.86	2.02%
391669	51,214	59,904	111,118	54,149	58,626	112,775	1,657	1,936	0.86	1.49%
310703	32,110	30,949	63,059	33,832	30,575	64,406	1,347	1,523	0.88	2.14%
351125	76,395	78,140	154,535	78,030	79,984	158,014	3,478	3,888	0.89	2.25%
361404	19,958	16,743	36,701	20,923	16,532	37,455	754	851	0.89	2.05%
361472	106,240	82,640	188,881	110,410	83,142	193,551	4,670	5,198	0.90	2.47%
150125	89,935	53,508	143,443	94,814	53,707	148,521	5,078	5,650	0.90	3.54%
351306	23,649	45,063	68,712	24,099	45,672	69,771	1,059	1,172	0.90	1.54%
351113	22,145	21,171	43,315	22,660	21,784	44,443	1,128	1,258	0.90	2.60%
230496	219,739	185,559	405,298	225,338	190,670	416,008	10,710	11,829	0.91	2.64%
341017	20,381	19,913	40,295	20,700	20,504	41,204	910	974	0.93	2.26%

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320826	13,699	27,265	40,964	14,045	27,497	41,542	578	621	0.93	1.41%
310694	11,090	15,173	26,262	11,501	15,256	26,757	494	528	0.94	1.88%
230503	207,965	150,224	358,188	215,126	154,241	369,366	11,178	11,720	0.95	3.12%
361479	164,255	75,275	239,529	175,256	74,485	249,741	10,212	10,443	0.98	4.26%
361372	4,638	10,739	15,377	4,961	10,571	15,532	155	154	1.00	1.01%
300659	98,436	61,845	160,280	104,185	62,297	166,483	6,202	6,147	1.01	3.87%
442107	82,567	0	82,567	88,715	0	88,715	6,148	5,991	1.03	7.45%
170175	62,162	0	62,162	65,997	0	65,997	3,835	3,562	1.08	6.17%
351168	44,033	58,496	102,529	46,971	57,303	104,274	1,745	1,597	1.09	1.70%
341016	139,194	0	139,194	147,089	0	147,089	7,895	7,232	1.09	5.67%
170156	53,440	24,511	77,951	57,323	24,550	81,873	3,922	3,584	1.09	5.03%
240515	57,945	0	57,945	61,896	0	61,896	3,950	3,616	1.09	6.82%
320809	28,384	20,911	49,295	29,811	20,924	50,734	1,439	1,308	1.10	2.92%
351162	24,618	28,987	53,605	25,430	29,366	54,796	1,190	1,071	1.11	2.22%
170145	33,533	33,305	66,837	34,595	34,281	68,876	2,038	1,839	1.11	3.05%
300604	17,891	13,771	31,662	18,217	14,549	32,766	1,104	987	1.12	3.49%
351160	21,467	18,555	40,021	22,468	18,440	40,908	887	791	1.12	2.22%
230505	48,116	43,495	91,611	48,826	45,631	94,457	2,846	2,488	1.14	3.11%
351424	21,969	22,317	44,286	23,387	21,895	45,281	995	872	1.14	2.25%
250311	36,942	25,795	62,737	38,881	25,799	64,680	1,943	1,691	1.15	3.10%
361654	36,453	46,736	83,189	37,759	47,231	84,989	1,801	1,480	1.22	2.16%
240516	191,930	0	191,930	206,912	0	206,912	14,982	12,226	1.23	7.81%
240532	8,999	0	8,999	9,500	0	9,500	501	388	1.29	5.57%
502279	26,994	28,144	55,137	27,575	29,319	56,894	1,757	1,341	1.31	3.19%
351188	9,974	14,362	24,336	10,469	14,407	24,876	540	408	1.32	2.22%
200258	27,236	38,244	65,481	27,741	39,408	67,149	1,668	1,246	1.34	2.55%
220380	81,786	83,313	165,100	83,419	87,518	170,937	5,837	4,364	1.34	3.54%
190226	300,978	0	300,978	329,712	0	329,712	28,734	21,181	1.36	9.55%

Appendix C  
2013 Further Modifications Of Average Schedules  
Impacts Of Proposed Formulas For July 2013 Using January 2013 View Of January 2013 Settlements Data

Study Area	Current Common Line Settlement	Current Traffic Sensitive Settlement	Current Total Settlement	Preliminary Common Line Settlement	Preliminary Traffic Sensitive Settlement	Preliminary Total Settlement	Total Settlement Difference	Access Lines	Total Settlement Difference Per Line	Total Settlement Percent Difference
300634	47,253	43,644	90,898	49,587	45,067	94,655	3,757	2,762	1.36	4.13%
351166	12,911	16,629	29,540	13,245	17,185	30,430	889	639	1.39	3.01%
190250	400,240	451,244	851,485	416,432	465,469	881,902	30,417	21,740	1.40	3.57%
351118	31,241	33,721	64,962	31,759	35,305	67,065	2,103	1,491	1.41	3.24%
351241	13,430	16,420	29,851	13,770	16,982	30,751	901	631	1.43	3.02%
150076	17,174	19,370	36,544	17,450	20,395	37,845	1,301	901	1.44	3.56%
351147	15,373	19,217	34,590	15,647	19,996	35,644	1,053	724	1.45	3.05%
190243	46,292	50,193	96,485	47,297	52,790	100,088	3,602	2,483	1.45	3.73%
320816	7,185	9,720	16,904	7,661	9,681	17,342	438	297	1.47	2.59%
351232	15,047	23,284	38,330	15,474	23,622	39,096	766	503	1.52	2.00%
351153	12,892	17,837	30,729	13,273	18,322	31,595	866	571	1.52	2.82%
250312	85,301	71,214	156,516	92,069	72,978	165,047	8,531	5,618	1.52	5.45%
472227	30,155	30,139	60,294	31,953	30,154	62,107	1,813	1,187	1.53	3.01%
361476	8,327	6,784	15,111	8,827	6,860	15,687	576	368	1.57	3.81%
190239	14,656	16,091	30,747	14,927	16,967	31,893	1,146	729	1.57	3.73%
290570	89,170	87,638	176,808	90,539	93,307	183,846	7,038	4,488	1.57	3.98%
140053	15,342	20,775	36,117	15,571	21,839	37,409	1,292	815	1.59	3.58%
351293	20,731	23,914	44,645	21,656	24,468	46,125	1,480	908	1.63	3.31%
230497	41,767	30,277	72,044	42,644	33,157	75,801	3,757	2,310	1.63	5.22%
100015	126,509	116,299	242,808	128,545	124,979	253,524	10,716	6,493	1.65	4.41%
260419	126,170	126,079	252,248	128,383	134,374	262,758	10,509	6,324	1.66	4.17%
361475	72,317	40,719	113,036	76,811	41,541	118,353	5,316	3,211	1.66	4.70%
170200	26,289	25,962	52,250	26,896	27,697	54,593	2,342	1,372	1.71	4.48%
220389	87,952	95,976	183,928	89,854	101,339	191,193	7,265	4,212	1.72	3.95%
351173	43,939	48,326	92,265	45,774	49,733	95,507	3,241	1,840	1.76	3.51%
140064	73,023	71,169	144,192	75,488	74,283	149,771	5,579	3,170	1.76	3.87%
371555	104,630	107,535	212,165	108,198	112,771	220,969	8,804	4,943	1.78	4.15%
351257	14,437	16,316	30,753	14,721	17,306	32,027	1,275	710	1.80	4.15%

Appendix C  
2013 Further Modifications Of Average Schedules  
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Study Area	Current Common Line Settlement	Current Traffic Sensitive Settlement	Current Total Settlement	Preliminary Common Line Settlement	Preliminary Traffic Sensitive Settlement	Preliminary Total Settlement	Total Settlement Difference	Access Lines	Total Settlement Difference Per Line	Total Settlement Percent Difference
351336	26,356	25,310	51,666	26,852	27,042	53,895	2,229	1,234	1.81	4.31%
290565	335,440	283,496	618,936	347,032	306,927	653,959	35,023	19,240	1.82	5.66%
361365	5,848	6,906	12,754	6,289	6,922	13,211	457	249	1.83	3.58%
391649	24,969	25,233	50,201	25,494	27,052	52,546	2,345	1,272	1.84	4.67%
351282	26,096	23,122	49,217	27,904	23,248	51,152	1,934	1,049	1.84	3.93%
351213	12,171	0	12,171	13,011	0	13,011	839	456	1.84	6.89%
250285	14,852	23,141	37,993	15,129	24,205	39,335	1,342	719	1.87	3.53%
330872	24,662	23,603	48,264	25,207	25,477	50,684	2,420	1,297	1.87	5.01%
351269	11,549	21,758	33,308	12,008	22,161	34,170	862	459	1.88	2.59%
351242	11,925	15,745	27,669	12,320	16,405	28,725	1,056	550	1.92	3.82%
250322	67,909	88,779	156,689	68,834	93,954	162,788	6,099	3,142	1.94	3.89%
320839	14,933	22,607	37,539	15,245	23,590	38,835	1,296	669	1.94	3.45%
260398	311,684	288,927	600,612	323,291	310,983	634,274	33,662	17,293	1.95	5.60%
401712	122,322	128,913	251,235	124,415	138,379	262,794	11,559	5,937	1.95	4.60%
230494	26,191	33,590	59,782	26,756	35,656	62,412	2,630	1,321	1.99	4.40%
351247	19,616	20,309	39,926	21,109	20,326	41,435	1,509	756	2.00	3.78%
532386	30,538	30,372	60,910	31,382	32,799	64,181	3,271	1,631	2.01	5.37%
351334	75,477	84,939	160,416	79,489	87,233	166,722	6,306	3,110	2.03	3.93%
230478	30,717	35,903	66,621	31,554	38,370	69,924	3,303	1,624	2.03	4.96%
361403	17,487	22,922	40,410	17,739	24,208	41,947	1,538	756	2.03	3.81%
197251	15,603	15,968	31,572	15,829	17,381	33,210	1,639	808	2.03	5.19%
351141	14,336	17,055	31,391	14,645	18,122	32,767	1,376	674	2.04	4.38%
361413	34,995	24,608	59,603	37,001	25,775	62,776	3,173	1,542	2.06	5.32%
351264	13,923	17,314	31,236	14,834	17,528	32,362	1,126	534	2.11	3.61%
351152	25,649	29,833	55,482	26,405	31,527	57,932	2,451	1,151	2.13	4.42%
361440	36,157	29,992	66,149	38,161	31,148	69,309	3,160	1,479	2.14	4.78%
421932	24,921	29,688	54,609	25,406	31,824	57,229	2,620	1,218	2.15	4.80%
361439	16,985	20,401	37,386	18,193	20,580	38,773	1,387	638	2.17	3.71%

Appendix C  
2013 Further Modifications Of Average Schedules  
Impacts Of Proposed Formulas For July 2013 Using January 2013 View Of January 2013 Settlements Data

Study Area	Current Common Line Settlement	Current Traffic Sensitive Settlement	Current Total Settlement	Preliminary Common Line Settlement	Preliminary Traffic Sensitive Settlement	Preliminary Total Settlement	Total Settlement Difference	Access Lines	Total Settlement Difference Per Line	Total Settlement Percent Difference
391682	11,499	16,665	28,164	12,245	16,755	29,000	836	378	2.21	2.97%
341087	12,183	16,597	28,780	12,588	17,384	29,973	1,193	534	2.23	4.14%
351235	11,352	14,046	25,397	11,786	14,734	26,520	1,122	495	2.27	4.42%
351283	11,171	18,214	29,385	11,670	18,530	30,200	814	358	2.27	2.77%
351107	6,607	9,750	16,356	7,062	9,904	16,966	609	266	2.29	3.73%
431968	28,378	37,569	65,947	28,965	40,068	69,033	3,086	1,348	2.29	4.68%
341062	9,445	14,087	23,532	9,899	14,706	24,605	1,073	467	2.30	4.56%
270428	18,544	22,741	41,285	18,872	24,691	43,563	2,278	989	2.30	5.52%
351310	11,179	13,955	25,133	11,641	14,577	26,218	1,084	455	2.38	4.31%
351250	11,557	14,650	26,207	12,008	15,323	27,331	1,124	470	2.39	4.29%
351203	13,626	15,582	29,209	13,961	16,797	30,759	1,550	637	2.43	5.31%
351331	77,540	85,099	162,639	79,452	92,895	172,347	9,708	3,963	2.45	5.97%
381622	19,981	26,708	46,689	20,984	27,637	48,621	1,932	779	2.48	4.14%
351191	10,553	14,799	25,352	11,036	15,374	26,411	1,059	424	2.50	4.18%
330847	13,668	14,191	27,859	13,978	15,587	29,565	1,707	673	2.54	6.13%
421759	54,280	58,984	113,264	57,288	61,756	119,045	5,781	2,247	2.57	5.10%
190238	38,318	32,061	70,379	40,734	33,624	74,358	3,979	1,547	2.57	5.65%
381625	146,328	140,578	286,906	154,352	148,431	302,783	15,876	6,035	2.63	5.53%
381638	27,094	34,410	61,504	28,574	35,566	64,140	2,636	1,002	2.63	4.29%
351149	6,684	9,275	15,959	7,112	9,471	16,583	624	236	2.64	3.91%
421936	9,275	8,789	18,065	9,777	9,315	19,092	1,027	386	2.66	5.68%
361426	12,101	12,701	24,802	12,977	13,167	26,144	1,342	493	2.72	5.41%
381509	7,608	9,699	17,307	8,177	9,844	18,022	714	262	2.73	4.13%
391640	32,963	36,236	69,199	34,374	38,477	72,851	3,652	1,329	2.75	5.28%
280467	14,325	16,566	30,892	14,620	18,196	32,817	1,925	695	2.77	6.23%
351114	7,772	11,058	18,829	8,251	11,418	19,669	840	303	2.77	4.46%
351189	18,649	26,642	45,291	19,651	27,687	47,337	2,046	733	2.79	4.52%
361505	132,881	84,412	217,293	141,655	92,177	233,831	16,538	5,728	2.89	7.61%

Appendix C  
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Study Area	Current Common Line Settlement	Current Traffic Sensitive Settlement	Current Total Settlement	Preliminary Common Line Settlement	Preliminary Traffic Sensitive Settlement	Preliminary Total Settlement	Total Settlement Difference	Access Lines	Total Settlement Difference Per Line	Total Settlement Percent Difference
351246	16,040	20,794	36,834	16,998	21,594	38,592	1,757	603	2.91	4.77%
351294	11,145	16,973	28,118	11,614	17,798	29,413	1,294	445	2.91	4.60%
351407	5,894	13,758	19,651	6,260	13,934	20,194	542	184	2.95	2.76%
351291	37,755	46,840	84,594	39,747	48,999	88,746	4,152	1,406	2.95	4.91%
351259	49,252	71,780	121,032	52,410	74,095	126,504	5,472	1,829	2.99	4.52%
381615	39,241	38,857	78,098	41,224	41,738	82,962	4,864	1,627	2.99	6.23%
532396	11,780	17,422	29,202	12,177	18,669	30,846	1,644	548	3.00	5.63%
351202	12,511	20,268	32,779	12,869	21,605	34,474	1,695	564	3.00	5.17%
350739	4,964	9,236	14,199	5,329	9,425	14,754	555	183	3.03	3.91%
351139	33,203	41,347	74,550	35,156	43,270	78,425	3,875	1,280	3.03	5.20%
421942	36,671	52,384	89,055	37,997	55,512	93,509	4,454	1,451	3.07	5.00%
351237	31,036	45,834	76,870	32,950	47,692	80,642	3,772	1,202	3.14	4.91%
341075	8,944	12,882	21,826	9,445	13,580	23,026	1,200	381	3.15	5.50%
351217	23,028	34,526	57,553	24,390	35,690	60,080	2,527	795	3.18	4.39%
351112	24,834	32,025	56,859	26,245	33,415	59,660	2,801	863	3.25	4.93%
340976	78,953	95,811	174,764	84,707	101,075	185,781	11,017	3,268	3.37	6.30%
421893	8,670	15,397	24,067	9,171	16,194	25,366	1,299	383	3.39	5.40%
351175	8,417	11,711	20,127	8,902	12,302	21,204	1,077	314	3.43	5.35%
351343	10,586	15,181	25,767	11,032	16,385	27,418	1,650	477	3.46	6.41%
371563	19,416	25,639	45,056	20,418	27,383	47,801	2,746	792	3.47	6.09%
190237	31,029	38,468	69,497	32,462	41,573	74,035	4,537	1,299	3.49	6.53%
361390	51,062	58,343	109,405	54,304	61,950	116,254	6,848	1,937	3.54	6.26%
351119	7,994	11,204	19,198	8,475	11,807	20,282	1,084	306	3.54	5.65%
361424	18,058	21,681	39,740	19,053	23,175	42,228	2,488	697	3.57	6.26%
351319	53,484	58,345	111,829	56,493	63,412	119,905	8,075	2,250	3.59	7.22%
401722	67,412	69,404	136,815	71,398	75,579	146,978	10,162	2,815	3.61	7.43%
613026	4,648	8,651	13,298	4,988	8,912	13,900	601	166	3.62	4.52%
351261	27,505	37,515	65,020	29,305	39,491	68,796	3,776	1,040	3.63	5.81%

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341086	7,968	11,979	19,946	8,466	12,777	21,242	1,296	350	3.70	6.50%
330946	18,894	22,833	41,727	19,897	24,630	44,527	2,800	751	3.73	6.71%
351199	9,737	12,961	22,698	10,236	13,960	24,196	1,498	402	3.73	6.60%
401710	19,369	21,792	41,161	20,368	23,823	44,190	3,029	803	3.77	7.36%
381614	48,196	78,899	127,095	51,099	83,055	134,155	7,060	1,866	3.78	5.56%
341024	43,040	49,671	92,711	46,059	53,082	99,141	6,430	1,675	3.84	6.94%
351176	9,678	13,602	23,280	10,179	14,595	24,774	1,494	389	3.84	6.42%
351275	4,104	8,934	13,038	4,427	9,210	13,636	598	154	3.89	4.59%
351276	21,274	20,821	42,095	22,156	23,714	45,870	3,775	970	3.89	8.97%
351308	9,568	12,641	22,208	10,068	13,602	23,671	1,462	368	3.97	6.58%
330848	4,582	8,042	12,624	4,945	8,294	13,239	615	154	3.99	4.87%
351280	7,433	12,641	20,075	7,915	13,398	21,314	1,239	307	4.04	6.17%
351097	6,558	10,939	17,497	7,018	11,584	18,602	1,104	272	4.06	6.31%
351157	17,920	21,853	39,773	18,914	23,707	42,622	2,849	695	4.10	7.16%
391664	74,835	67,275	142,110	80,688	74,575	155,264	13,154	3,170	4.15	9.26%
371530	34,532	52,402	86,934	36,661	55,166	91,827	4,893	1,170	4.18	5.63%
351137	13,206	21,206	34,412	14,085	22,447	36,531	2,119	496	4.27	6.16%
351179	6,923	11,469	18,392	7,384	12,183	19,567	1,175	274	4.29	6.39%
351301	16,069	29,220	45,289	17,154	30,468	47,622	2,333	542	4.30	5.15%
371581	31,619	32,972	64,591	32,200	38,474	70,674	6,083	1,402	4.34	9.42%
340993	9,237	12,449	21,685	9,738	13,559	23,297	1,611	368	4.38	7.43%
351228	5,858	10,405	16,263	6,279	11,001	17,280	1,017	229	4.44	6.25%
290598	28,822	30,516	59,338	30,694	33,690	64,384	5,047	1,135	4.45	8.50%
502283	49,419	142,028	191,447	51,804	149,436	201,239	9,792	2,170	4.51	5.11%
351270	6,150	10,653	16,803	6,586	11,338	17,924	1,121	244	4.59	6.67%
351335	6,869	10,102	16,971	7,340	11,000	18,340	1,369	288	4.75	8.07%
421900	28,175	40,225	68,400	29,916	43,172	73,088	4,688	975	4.81	6.85%
351146	6,771	10,242	17,013	7,234	11,148	18,382	1,370	277	4.94	8.05%

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351239	12,425	17,847	30,273	13,263	19,261	32,525	2,252	455	4.95	7.44%
351238	6,193	10,398	16,591	6,632	11,188	17,820	1,229	248	4.96	7.41%
351344	19,319	29,257	48,576	20,533	31,249	51,783	3,206	644	4.98	6.60%
341046	3,708	6,676	10,384	3,996	7,078	11,074	690	133	5.18	6.64%
341092	2,442	5,789	8,232	2,606	5,985	8,591	359	69	5.20	4.36%
442043	13,079	19,334	32,413	13,967	21,109	35,076	2,663	506	5.26	8.22%
100020	70,609	68,455	139,063	71,914	85,825	157,739	18,676	3,452	5.41	13.43%
391653	7,110	11,073	18,183	7,589	12,287	19,877	1,694	303	5.59	9.32%
361401	50,443	61,439	111,882	54,033	67,886	121,918	10,036	1,786	5.62	8.97%
351285	22,193	28,197	50,390	23,125	32,376	55,501	5,111	898	5.69	10.14%
100022	88,244	93,668	181,912	90,291	117,003	207,294	25,382	4,377	5.80	13.95%
341041	2,695	6,616	9,311	2,906	6,941	9,846	535	91	5.88	5.75%
613005	2,173	5,629	7,802	2,327	5,853	8,180	378	64	5.91	4.84%
351108	2,981	5,828	8,810	3,217	6,209	9,426	616	104	5.93	6.99%
351266	5,755	11,050	16,805	6,170	12,004	18,174	1,369	224	6.11	8.14%
351121	3,056	7,734	10,790	3,290	8,148	11,437	647	103	6.28	6.00%
351322	8,916	10,473	19,390	9,414	12,557	21,972	2,582	404	6.39	13.32%
351265	4,905	10,299	15,204	5,253	11,093	16,346	1,142	171	6.68	7.51%
351342	4,720	9,591	14,311	5,066	10,437	15,503	1,192	169	7.05	8.33%
190220	4,476	10,636	15,113	4,810	11,480	16,289	1,176	161	7.31	7.78%
351307	4,135	10,042	14,177	4,457	10,980	15,437	1,260	154	8.18	8.89%
361512	4,140	8,162	12,302	4,420	9,042	13,461	1,159	128	9.05	9.42%
462206	2,105	5,946	8,051	2,247	6,357	8,604	554	59	9.38	6.88%
320827	22,027	32,352	54,379	22,475	43,243	65,718	11,339	1,168	9.71	20.85%
351098	6,951	11,336	18,287	7,415	13,585	21,000	2,713	279	9.72	14.83%
462210	1,993	7,593	9,587	2,113	7,969	10,083	496	49	10.12	5.17%
320756	16,828	28,037	44,864	17,057	36,003	53,060	8,196	788	10.40	18.27%
320796	12,638	17,914	30,552	13,074	23,972	37,047	6,495	492	13.20	21.26%



Appendix C  
2013 Further Modifications Of Average Schedules  
Impacts Of Proposed Formulas For July 2013 Using January 2013 View Of January 2013 Settlements Data

Study Area	Current Common Line Settlement	Current Traffic Sensitive Settlement	Current Total Settlement	Preliminary Common Line Settlement	Preliminary Traffic Sensitive Settlement	Preliminary Total Settlement	Total Settlement Difference	Access Lines	Total Settlement Difference Per Line	Total Settlement Percent Difference
120042	1,758	4,816	6,574	1,829	5,200	7,029	455	28	16.24	6.92%
351205	30,758	40,931	71,689	31,563	71,230	102,793	31,104	1,080	28.80	43.39%
170195	10,991	17,102	28,094	11,482	35,136	46,618	18,525	413	44.85	65.94%
Total	16,447,893	12,550,227	28,998,120	17,018,641	13,043,443	30,062,085	1,063,947	878,139	1.21	3.67%